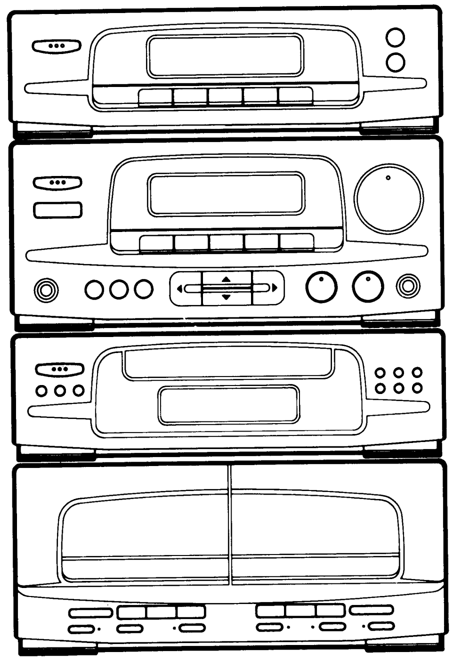
300

Service Manual

MINI COMPONENT STEREO SYSTEM

AMI-940

AMI-940A
AMI-940T
AMI-940D
AMI-940CD

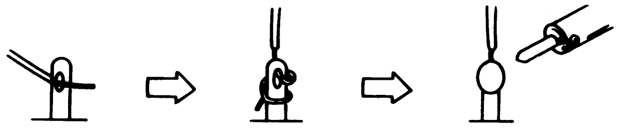


DAEWOO ELECTRONICS CO., LTD.

SAFETY INSTRUCTIONS

PRECAUTIONS DURING SERVICING

1. Parts indentified by the (∗) symbol parts are critical for safety. Replace only with parts number specified.
2. In addition to safety, other parts and assemblies are specified for conformance with such regulations as those applying to spurious radiation.
   These must also be replaced only with specified replacements.
   Examples: RF converters, tuner units, antenna selects switches, RF cables, noise blocking capacitors, noise blocking filters, etc.
3. Use specified internal wiring. Note especially:
   1) Wires covered with PVC tubing
   2) Double insulated wires
   3) High voltage leads
4. Use specified insulating materials for hazardous live parts. Note especially
   1) Insulation Tape
   2) PVC tubing
   3) Spacers (Insulating Barriers)
   4) Insulation sheets for transistors
   5) Plastic scres for fixing microswitch (especially in turntable)



5. When replacing AC primary side components (transformers, power cords, noise blocking capacitors, etc.), wrap ends of wires securely about the terminals before soldering.
6. Observe that wires do not contact heat producing parts (heatsinks, oxide metal film resistors, fusible resistors, etc.).
7. Check that replaced wires do not contact sharp edged or pointed parts.
8. Also check areas surrounding repaired locations.
9. Use care that foreign objects (screws, solder droplets, etc.) do not remain inside the set.

SAFETY CHECK AFTER SERVICING

After servicing, make measurements of leakage-current or resistance in order to determine that exposed parts are acceptably insulated from the supply circuit.
The leakage-current measurement should be done between accessible metal parts (such as chassis, ground termainal, microphone jacks, signal-input/output connectors, etc.) and the earth ground through a resistor of 1500 ohms paralleled with a 0.15μF capacitors, under the unit's normal working conditions. The leakage-current should be less than 0.5mA rms AC.
The resistance measurement should be done between accessible exposed metal parts and power cord plug prongs with the power switch (if included) "ON". The resistance should be more than 2.2 Mohms.

INFORMATION

SYMBOLS FOR PRIMARY DESTINATION

Alphabet indicates the destination of the units as listed below.

Symbols	Principal Destinations
A	USA
B	UK
C	Canada
E	Europe (except UK)
J	Japan
S	Australia
V	Italy only
U	Universal Area
Y*	Custom version

For your own safety, avoid hazardous invisible laser radiation. Do not look at the laser beam (objective lens) directly. On models for some countries, laser warning labels are affixed on the outside and inside the until as shown below. For your own safety, read these labels carefully when repairing or adjusting the unit.

CLASS 1 LASER PRODUCT
KLASSE 1 LASER PRODUKT
LUOKAN 1 LASER LAITE
KLASS 1 LASER APPARAT

Label affixed on the disc clamper inside the unit.

CAUTION : INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCKS DEFEATED. AVOID EXPOSURE TO BEAM.

ADVARSEL : USYNLIG LASERSTRALING VED ÅBNING NÅR SIKKERHEDSAFBRYDERE ER UDE AF FUNKTION UNDGÅ UDSÆTTELSE FOR STRÅLING.

VARO : AVATTAESSA JA SUOJALUKITUS OHITETTAESSA OLET ALTTIINA NÄKYMÄTTÖMÄLLE LASERSÄTEILYLEE.
ÄLÄ KATSO SÄTEESEEN !

VARNING ; OSYNLIG LASERSTRÅLNING NÄR DENNA DEL ÄR ÖPPNAD OCH SPÄRREN ÄR URKOPPLAD.
BETRAKTA EJ STRÅLEN !

Label affixed on the rear panel of the unit.

I. DISASSEMBLY

1-1. DISASSEMBLY PROCEDURES FOR CDP SECTION

REMOVING THE DISC TRAY

1. Apply Power Switch to the set and press the OPEN/CLOSE button to open the table load.
2. Apply OFF the Power Switch while the table load is open, and push the table load back in hand to close it.
3. Pull out the table load by hand to open it again. The table load will disengage easily and come out smoothly.
4. Now remove the table load from the cabinet while pressing the hook in the direction of the arrow as shown Fig. 2.

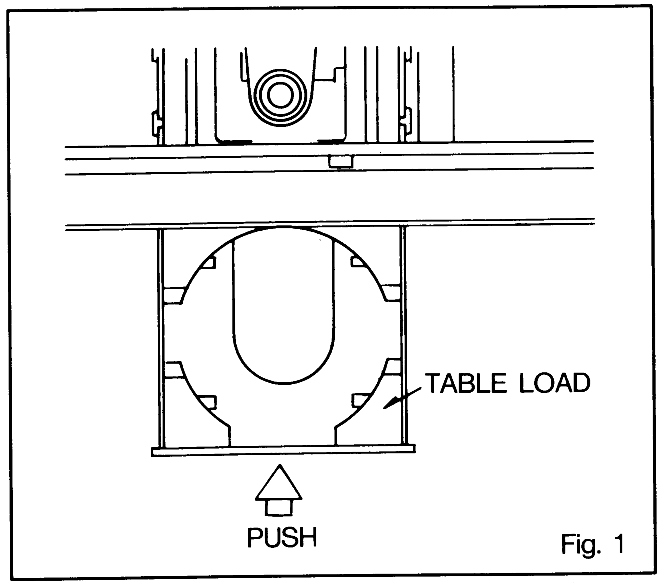


Fig. 1

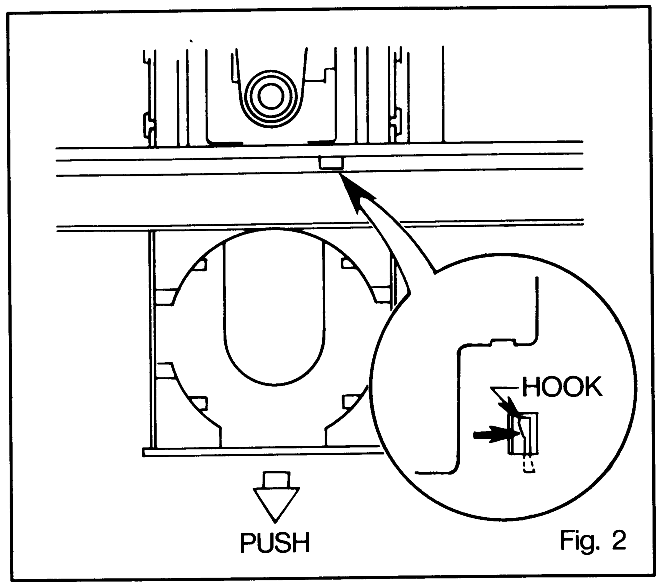


Fig. 2

REMOVING THE MECHANISM

Take out the four screws (1-4 in the diagram below) with which the mechanism is mounted in place and remove the mechanism.

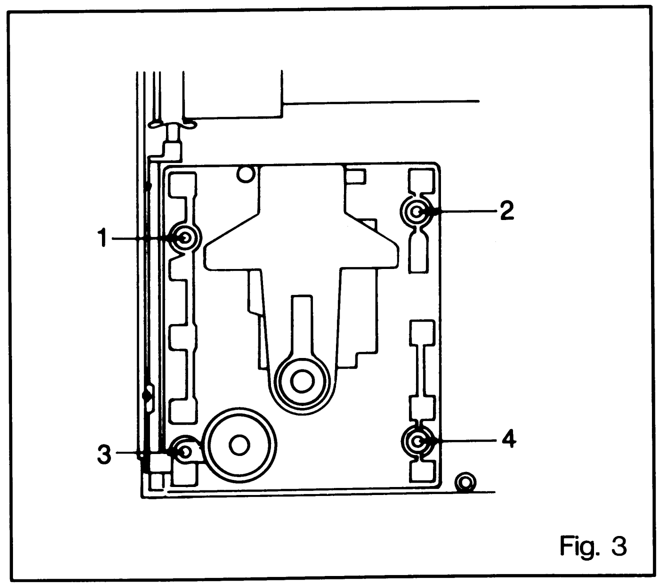


Fig. 3

II. SPECIFICATION

AMI-940A (AMPLIFIER)

Power output	
Low frequency output	: 30W+30W (8Ω THD 0.3%)
High frequency output	: 5W+5W (8Ω THD 1%)
Total harmonic distortion	: 0.06%
Frequency response	: 20 Hz - 20 KHz
S/N ratio	: 80 dB
Input sensitivity	
Phono	: 3mV/47K
AUX	: 200mV/47K
Mike	: 1mV
Equalizer center frequency	: 63Hz, 160Hz, 100Hz, 1KHz, 2.5KHz, 6.3KHz, 16KHz
Equalizer control level	: Each channel ± 12dB
Power requirements.	: AC 110V/220V, 60Hz
Consumption electric power	:
Dimensions	: 280(W)×120(H)×300(D)×mm
Weight	: 6.5kg

AMI-940T

Frequency Range	
FM	: 87.5 - 108.0 MHz (0.05 MHz step)
AM	: 522 - 1620 KHz (9 KHz step)
Sensitivity (DIN)	
FM	: 5.0µV
AM	: 500µV
S/N Ration	
FM Mono	: 60 dB
FM Stereo	: 55 dB
AM	: 40 dB
FM T.H.D	
Mono	: 0.3%
Stereo	: 0.5%
Frequency Response	
FM	: 20Hz~15KHz
AM	: 100Hz~2KHz
Selectivity	
FM	: 30 dB
AM	: 15 dB
Stereo Separation	: 30 dB (1 KHz)
Power Supply Voltage, Current	: AC 25V, 330mA
Dimensions	: 280(W)×80(H)×300(D)×mm
Weight	: 1.8kg

II. SPECIFICATION

AMI-940CD

● AUDIO CHARACTERISTICS

Frequency response : 20Hz - 20 KHz (± 2.0 dB)
Harmonic distortion : Less than 0.06% (1 KHz, with 20 KHz LPF)
S/N ratio : More than 90 dB
Wow and flutter : Below measurable limits
Channel separation : More than 86 dB (1 KHz)

● DIGITAL SIGNAL PROCESSING

Optical pickup : 3-beam laser (Semiconductor laser=780nm)
Error correction : CIRC
Sampling frequency : 44.1 KHz
D/A conversion : 16-bit liner
Filter : 8 times over sampling
Power source : AC 25V/850mA
Dimensions : 280(W)×80(H)×300(D)×mm
Weight : 3kg

AMI-940D

Heads : Record/Playback AP head×2 Erasing AF head (2-cap ferrite)
Drive system : 1 motor IC logic control
Motor : Captan motor (DC motor)×1
Tape speed : 4.75 cm/sec.
Wow and flutter : 0.2% (JIS WRMS)
Frequency response
  Metal : 40 Hz - 12.5 KHz
  CrO_2 : 40 Hz - 12.5 KHz
  Normal : 40 Hz - 12.5 KHz
S/N ratio : 50dB (NR OUT, CrO_2)
T.H.D : 1% (Fe)
Input terminals
  Line : 20mV (50 Kohm)
Output terminals
  Line : 480mV
Power supply : AC 18V/1.25A
Dimensions : 280(W)×120(H)×300(D)×mm
Weight : 3.2kg

III. ADJUSTMENT

3-1. TUNER
INSTRUMENT CONNECTIONS

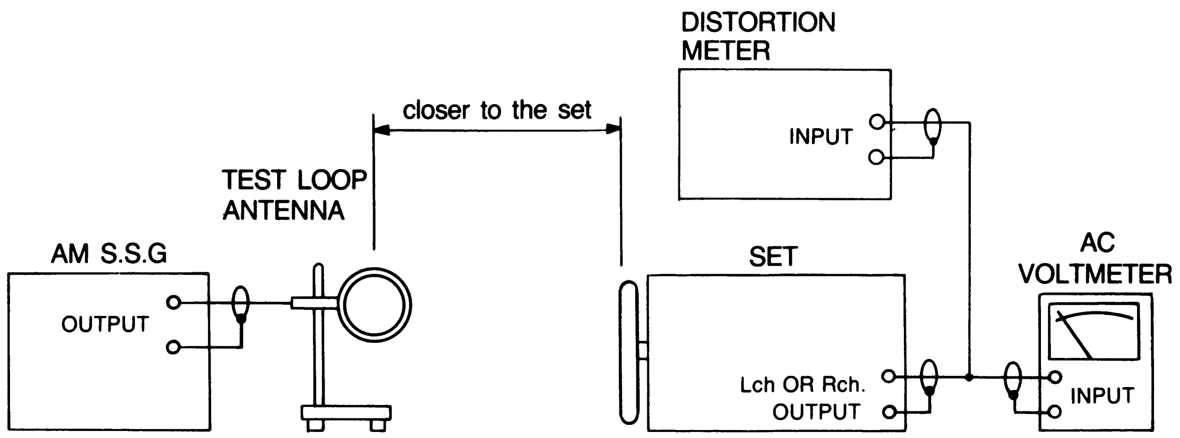

DISTORTION METER
INPUT
closer to the set
TEST LOOP ANTENNA
AM S.S.G
OUTPUT
SET
Lch OR Rch. OUTPUT
AC VOLTMETER
INPUT

Fig. 3-1 Instrument connection for AM (MW, LW) section adjustment

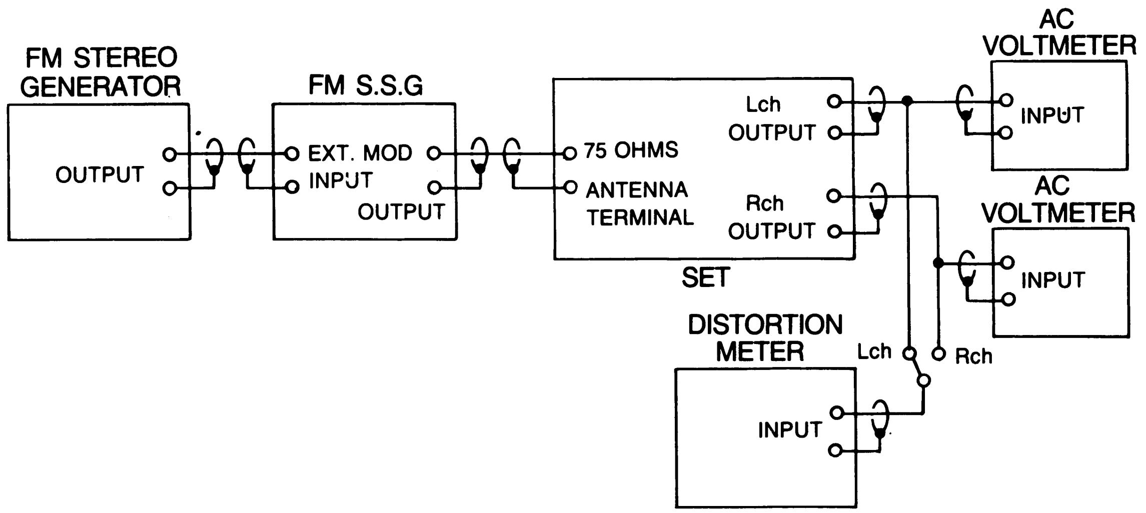

FM STEREO GENERATOR
OUTPUT
FM S.S.G
EXT. MOD INPUT
OUTPUT
75 OHMS ANTENNA TERMINAL
Lch OUTPUT
Rch OUTPUT
SET
AC VOLTMETER
INPUT
AC VOLTMETER
INPUT
DISTORTION METER
INPUT
Lch
Rch

Fig. 3-2 Instrument connection for FM section adjustment

3-2. DECK

(PRECAUTION BEFORE ADJUSTMENT)

1. Before adjustment, clean and de-magnetize the heads and tape guides.
2. Set the switchs and control Knobs as follows
   DOLBY NR switch, OFF
3. Use the following Recording test tape
   NORMAL position, TDK AC224
   CrO_2 position, TDK AC513
   METAL position, TDK AC712
4. 0dBV=580mV

STEP **ADJUSTMENT**

1. TEST TAPE/INPUT SIGNAL
2. MODE
3. TEST POINT, ADJUSTMENT PART
4. REMARKS
5. RESULT

6 OSC FREQUENCY (TAPE I ONLY)

1. NO SIGNAL IMNPUT, CrO_2 RECORDING TEST TAPE.
2. REC
3. GND AND WHT WORE OF CN009, L 501
4. CONNECT A FREQUENCY COUNTER BETWEEN GND AND WHITE WIRE OF CN009.
5. 84.8 - 85.2 KHz

7 TAPE I NORMAL POSITION BIAS

1. NORMAL TAPE, 400Hz, −25dBV (LINEOUT)
2. REC-PLAY
3. LINEOUT, VR501(L)/VR502(R)
4. CONNECT AN AC LEVEL METER TO LINEOUT.
5. PLAY BACK LEVELS OF 400Hz AND 12.5KHz ARE EQUAL OR WITHIN 1dB.

COFIRM THE CrO_2 AND METAL

READJUSTMENT

1 TAPE 1 HIGH (X2) TAPE SPEED

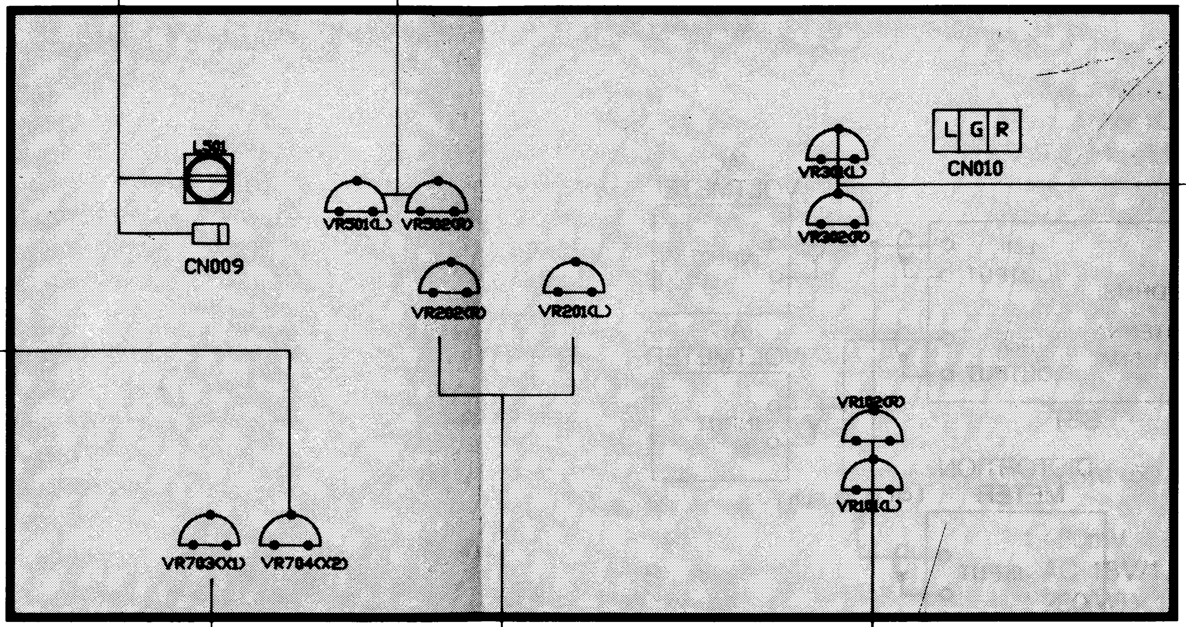
1. 3,000Hz TEST TAPE (MTT-111DN)
2. PLAY
3. LINEOUT (CN010), VR703
4. CONNECT A FREQUENCY COUNTER TO LINOUT. CONNECT THE R726 AND JW044 TO SET THE X2 TAPE SPEED.
5. 5990 - 6010Hz

2 TAPE I/II NORMAL SPEED

1. 3,000Hz TEST TAPE (MTT-111DN)
2. PLAY
3. LINEOUT (CN010), VR703
4. CONNECT A FREQUENCY COUNTER TO LINOUT.
5. 2990 - 3010Hz

3 HEAD AZIMUTH ALIGNMENT (TAPE I & TAPE II)

1. 12.5KHz, −29dBV TEST TAPE (MTT257G/MTT357G)
2. PLAY
3. LINEOUT, HEAD AZIMUTH ALIGNMENT SCREW.
4. CONNECT AN AC LEVEL METER TO LINEOUT.
5. MAXIMUM OUTPUT LEVEL.



8 TAPE I REC LEVEL

1. NORMAL TAPE, 400Hz, −10dBV (LINEOUT)
2. REC-PLAY
3. LINEOUT, VR301(L)/VR302(R)
4. CONNECT AN AC LEVEL METER TO LINEOUT.
5. −10dBV

4 TAPE II PB LEVEL

1. 400Hz, TEST TAPE (MTT-150)
2. PLAY
3. LINEOUT, VR101(L)/VR102(R)
4. CONNECT AN AC LEVEL METER TO LINEOUT.
5. 0dB=580mV

5 TAPE I PB LEVEL

1. 400Hz, TEST TAPE (MTT-150)
2. PLAY
3. LINEOUT, VR201(L)/VR202(R)
4. CONNECT AN AC LEVEL METER TO LINEOUT.
5. 0dB=580mV

III. ADJUSTMENT

3-3. CDP

STEP **ADJUSTMENT ITEM**

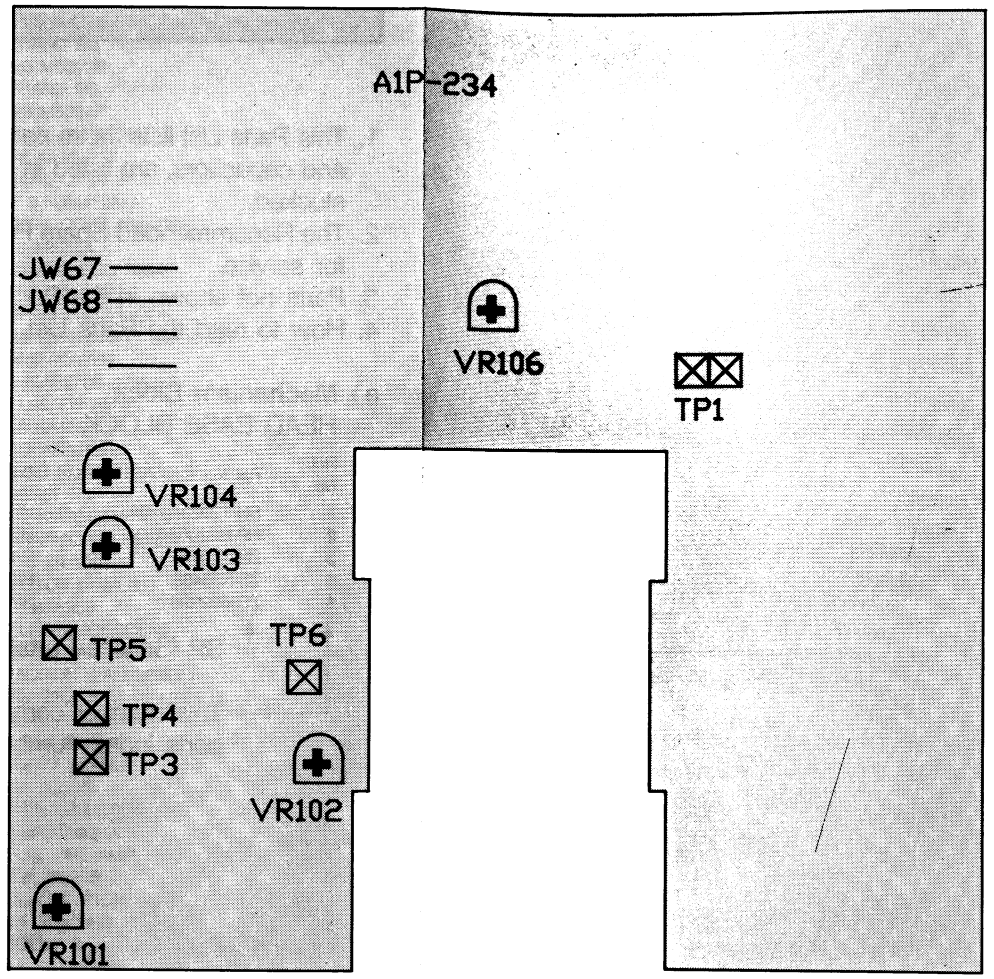
1. TEST DISK
2. MODE
3. TEST POINT & ADJ. PART
4. RESULT & REMARK

2 FOCUS OFFSET (RF BIAS)

1. TEST DISK ABEX TCD-791
2. PLAY (TRACK NO. 4)
3. VR102, TP6
4. ADJUST VR102 SO THAT THE WAVEFORM ON THE OSCILLOSCOPE (EYE PATTERN) IS MAXIMUM WITH GOOD SHAPE. "WELL-SHAPED EYE PATTERN" MEANS THAT THE MARK "◇" IS CLEARLY DISTINGUISHED AT THE CENTER OF THE WAVEFORM.

3 TRACKING OFFSET (E-F BALANCE)

1. TEST DISC ABEX TCD-791
2. PLAY (TRACK NO. 4)
3. VR101, TP5 RIGHT SIDE PIN & GND
4. PRESS BUTTON ⏮ OR ⏭ AND OBSERVE THE WAVEFORM, ADJUST VR101 SO THAT THE WAVEFORM IS SYMMETRIC WHEN CENTERED AT THE LEVEL TO BE ACCESSED.



1 PLL

1. UNUSED
2. STOP
3. CONNECT FREQUENCY COUNTER TO TP1
4. ADJUST VR106 SO THAT 4,3218MHz± 20KHz

4 TRACKING GAIN

1. TEST DISC ABEX TCD-791
2. PLAY (TRACK NO. 1)
3. VR103, JW67 & GND
4. OSCILLOSCOPE BETWEEN JW67 & GND
   * 0.8± 0.2Vp-p

5 FOCUS GAIN

1. TEST DISC ABEX TCD-791
2. PLAY (TRACK NO. 1)
3. VR104, JW68 & GND
4. CONNECT AN OSCILLOSCOPE BETWEEN JW68 & GND
   * 2.4± 0.2Vp-p

IV. PARTS LIST

ATTENTION

1. When placing an order for parts, be sure to list Part No, Model No. and the description of eachpart. Otherswise, the non-delivery of the part or the deliver of a wrong part may result.
2. Please make sure that Part No. is correct when ordering. If not, a part different from the one you ordered may be delivered.
3. Since the parts shown in Parts List of Preliminary Service Manual may have been the subject of changes, please use this Parts List for all future reference.

HOW TO USE THIS PARTS LIST

1. This Parts List lists those parts which are considered necessary for repairs. Other common parts, such as resistors and capacitors, are listed in the "Common List for Service Parts" from which these parts should be selected and stocked.
2. The Recommended Spare Parts List shows those parts in the Parts List which are considered particularly important for service.
3. Parts not shown in the Parts List and "Common List for Service Parts" will not in principle ber supplied.
4. How to read the Parts List.

a) **Mechanism Block**
HEAD BASE BLOCK

Ref. No.	Par No.	Description
1	BH-T2023A320A	HEAD BASE BLOCK
2	HP-H2206A010A	HEAD R/P PR4-8FUC
3	ZS-477876	PAN20×03STL CMT
4	ZS-536488	BID20×08STL CMT
5	ZG-402895	SP CS ANGLE ADJUST

SP (Service Parts) Classification

This number corresponds with the individual parts index number in.that figure.

b) **PC Board**
HEAD P.C. BOARD

Ref. No.	Par No.	Description
IC1	EI-324536	IC HD14049BP
IC2	EI-336801	IC MB8841-564M
C1A	EC-338399	C MMY V 223M 250AC [U,E,B,S]
C1B	EC-350949	C MMY V 223M 250DC [J]
C1C	EC-338397	C MMY V 223M 125AC [C,A]
X1	EI-318384	OSC X'TAL NC-18C

Symbols for primary destination
[A]: AAL (U.S.A)
[B]: BEAB (England)
[C]: CSA (Canada)
[E]: CEE (Europe)
[J]: JPN (Japan)
[S]: SAA (Australia)
[U]: U/T (Universal Area)
[V]: VDE (Italy)
[Y]: Custom Version
[Y7]: Custom Version

Sp (Service Parts) Classification

These reference symbols correspond with component symbols in the schematic diagrams.

The available PC Board Blocks are listed separately.

5. When Part No. is known, Parts Index at end of Parts List can be used to locate where that part is shown in Parts List by its Reference NO. listed at right of Part No.

WARNING

(∗) INDICATED SAFETY CRITICAL COMPONENTS. FOR CONTINUED SAFETY, REPLACE SAFETY CRITICAL COMPONENTS ONLY WITH MANUFACTURE'S RECOMMENDED PARTS.

AVERTISSEMENT

(∗) IL INDIQUE LES COMPOSANTS CRITIQUES DE SÉCURITÉ. POUR MAINTENIR LE DEGRÉ DE SÉCURITÉDE L'APPAREIL, NE REMPLACER QUE DES PIÉCES RECOMMANDEES PAR LÉFABRICANT.

IV. PARTS LIST

1. RECOMMENDED SPARE PARTS

We suggest you to stock the following Recommended Spare Part items listed below since they can cover most of the routine service.

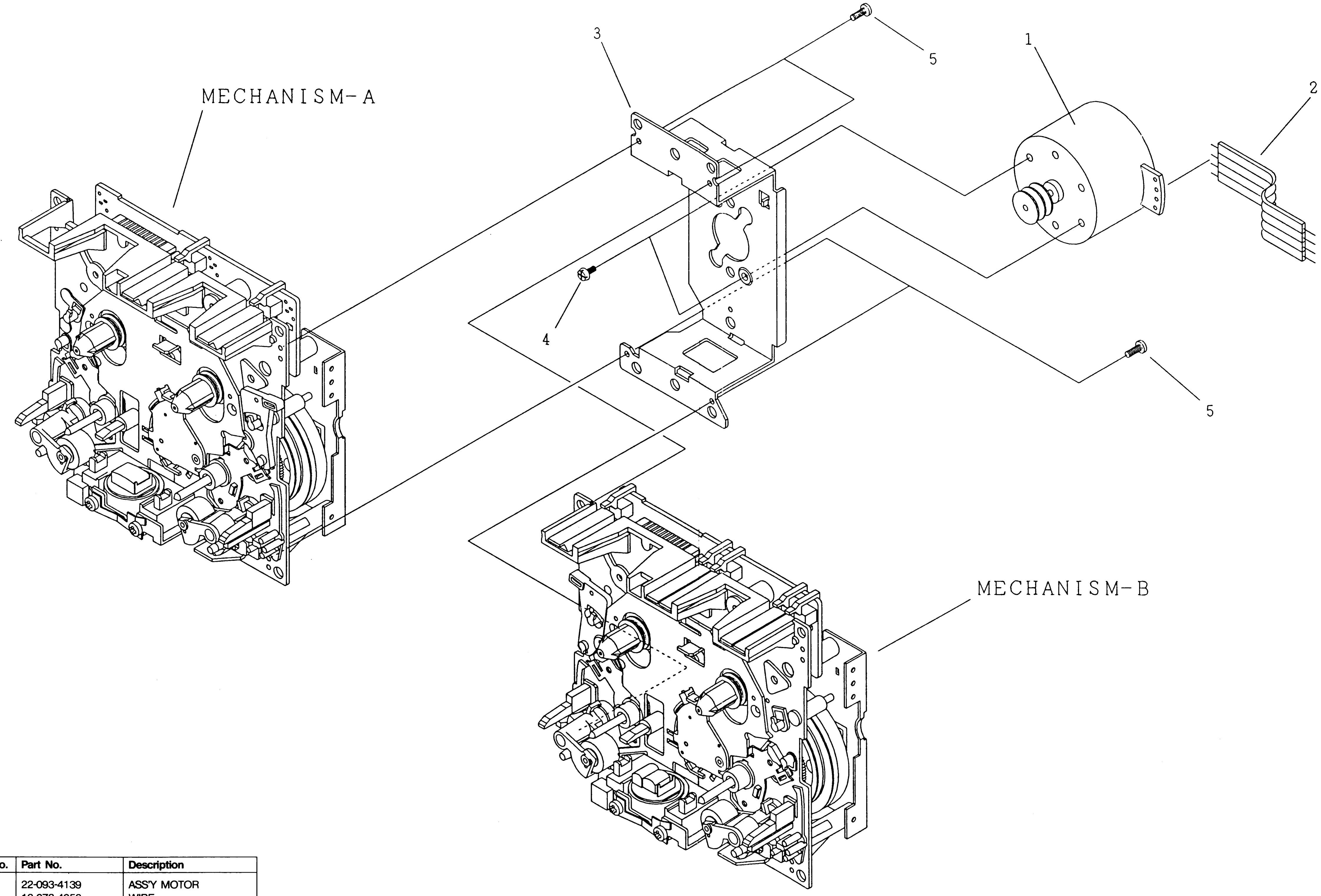
Ref. No.	Part No.	Description
FL1	DPFL-00250-00T	DISPLAY-FLUORSCENT TUNER SVA-8MS10
IC101	ICLN-00220-S10	IC FM/AM IF+DET DIP22S LA1265
IC102	ICLN-00070-SD0	IC PLL FM MPX SIP 9 KIA7343P
IC103	ICLN-20380-S10	IC PLL DIP24S LC7218
IC201	ICMP-00690-SA0	IC HCOMPUTER DIP-64 HD614081S65
IC202	ICOP-00210-SD0	IC RESET TO-92 KIA7042P/F 4.2V
D901	DDTR-00040-T10	DIODE-RECTIFIER T DO-41 1N4004 (400V 1A)
D902	DDTR-00040-T10	DIODE-RECTIFIER T DO-41 1N4004 (400V 1A)
D903	DDTR-00040-T10	DIODE-RECTIFIER T DO-41 1N4004 (400V 1A)
D904	DDTR-00040-T10	DIODE-RECTIFIER T DO-41 1N4004 (400V 1A)
D905	DDTZ-G3000-SO0	DIODE ZENER T DO-40 MTZ30 30
D906	DDTZ-G056R-SO0	DIODE ZENER T DO-40 MTZ5.6B 5.45-5.73
D907	DDTZ-G120B-SO0	DIODE ZENER T DO-40 MTZ12B 11.44-12.03
D908	DDTZ-G062B-SO0	DIODE ZENER T DO-40 MTZ6.2B 5.96-6.27
D909	DDTR-00040-T10	DIODE-RECTIFIER T DO-41 1N4004 (400V 1A)
D914	DDMR-00210-T12	DIODE-RECTIFIER T DO-20 1N5402L (200V 3A)
D915	DDMR-00210-T12	DIODE-RECTIFIER T DO-20 1N5402L (200V 3A)
D916	DDMR-00210-T12	DIODE-RECTIFIER T DO-20 1N5402L (200V 3A)
D917	DDMR-00210-T12	DIODE-RECTIFIER T DO-20 1N5402L (200V 3A)
IC201	ICHP-00080-S10	IC HYBRID AMP-POWER SIP18 STK4172II 40W×2
IC202	ICHP-00120-S10	IC HYBRID AMP-POWER SIP12 LA4282 10W×2
IC203	ICOP-00131-SE0	IC DUAL OP AMP DIP 8 KA4558C
IC401	ICOP-00130-SE0	IC DUAL OP AMP SIP 9 KA4558S
IC501	ICOP-00131-SE0	IC DUAL OP AMP DIP 8 KA4558C
IC502	ICOP-00131-SE0	IC DUAL OP AMP DIP 8 KA4558C
IC503	ICOP-00131-SE0	IC DUAL OP AMP DIP 8 KA4558C
IC504	ICOP-00131-SE0	IC DUAL OP AMP DIP 8 KA4558C
IC901	ICRG-00060-SE0	IC REGULATOR TO-220 KA7815C 15V
IC902	ICRG-00250-SE0	IC REGULATOR TO-92 MC7915-15
MAIN P/T	PTAJ-01070-4BK	TRANSFORMER-POWER A74-107BX-K 74mm 110/220KS
Q206	TRTC-0015G-SD0	TRANSISTOR N-H FREQ TO92 KTC3200-GR
Q207	TRTA-0011G-SD0	TRANSISTOR P-H FREQ TO92 KTA1268-GR
Q211	TRTA-0009Y-SD0	TRANSISTOR P-H FREQ TO92 KTA1271-Y
Q901	TRTA-0011G-SD0	TRANSISTOR P-H FREQ TO92 KTA1268-GR
Q902	TRSD-0008Y-SD0	TRANSISTOR N-L FREQ TO220AB KTD2058-Y
Q903	TRTC-0008Y-SD0	TRANSISTOR N-H FREQ TO92 KTC2120-Y
R914	RMOH-J121J-040	RESISTOR-METAL OXIDE H 2W 120ohm 5%
R915	RMOH-J151J-040	RESISTOR-METAL OXIDE H 2W 150ohm 5%
IC301	ICDG-00610-S10	IC FUNCTION SELECTOR DIP30S LC7822
IC302	ICOP-00050-S50	IC QUAD OP AMP DIP14 AN6554
IC303	ICCM-20390-SG0	IC ELECTRONIC VOLUME SDIP28 NJU7305
IC304	ICLN-00710-S90	IC 7BAND EQ DIP20 M5229P
IC305	ICLN-00710-S90	IC 7BAND EQ DIP20 M5229P
IC306	ICOP-00131-SE0	IC DUAL OP AMP DIP 8 KA4558C
IC307	ICOP-00134-SG0	IC DUAL OP AMP SOP 8 NJM4558M
IC402	ICLN-00290-S90	IC DUAL COMPARATORS SIP 8 M5233L
IC403	ICDG-00420-S90	IC DIGITAL ECO 3694E DIP 36 M50195P
IC404	ICDG-00410-SE0	IC DRAM PAGE MODE DIP16 KM4164B-15 64K×1BIT
IC601	ICAP-00090-SD0	IC AMP-POWER SIP9 KIA6276S 0.3W×2
IC701	ICOP-00131-SE0	IC DUAL OP AMP DIP 8 KA4558C
IC801	ICMP-00720-SA0	IC UCOMPUTER QFP80B HD404719A36FS
IC802	ICOP-00210-SD0	IC RESET TO-92 KIA7042P/F 4.2V
IC804	ICCM-20350-TQ0	IC GRAPHIC EQ FILTER DIP 16 XR-1091
IC903	ICDG-00560-SO0	IC MOTOR DRIVER SIP 9 BA6208
Z802	DPFL-00260-00A	DISPLAY-FLUORSCENT AMP940 SVA-12MF01
C806	CEEM-G222M-LR1	CAPACITOR E/ALUMINUM M 35V 2200µF M 16×31.5 U
IC101	ICLN-01280-SD0	IC DUAL PRE AMP SIP8 KIA6225S
IC103	ICLN-00610-S10	IC AUDIO SENSER SIP 9 LA2000
IC201	ICDG-00370-S20	IC TAPE SELECTOR SIP9 µPD1330HA
IC202	ICLN-01280-SD0	IC DUAL PRE AMP SIP8 KIA6225S
IC301	ICCM-00060-SQ0	IC QUAD SWITCH DIP14 GD4066B
IC302	ICLN-00681-SA0	IC DOLBY B DIP16 HA12136A
IC401	ICOP-00131-SE0	IC DUAL OP AMP DIP 8 KA4558C
IC701	ICMP-00710-SA0	IC U-COMPUTER DIP64 TD-9305-005
IC702	ICOP-00210-SD0	IC RESET TO-92 KIA7042P/F 4.2V
IC801	ICRG-00217-SE0	IC REGULATOR TO-220 KA7812C 12V
IC802	ICRG-00217-SE0	IC REGULATOR TO-220 KA7812C 12V
L401	KIRK-Z0010-E40	COIL-REC CHOCK AAK001 8.2mH MOLD
L403	KIRP-00070-ED0	COIL-REC TRAP ARP009 85KHz 7mm-CAN
L501	KIRO-00300-ED0	COIL-REC OSC ARO-022 85KHz 10mm-CAN

IV. PARTS LIST

Ref. No.	Part No.	Description
L601	KIRA-00040-E60	COIL-REC FILTER ARA004 DOLBY-B
L602	KIRA-00040-E60	COIL-REC FILTER ARA004 DOLBY-B
Q101	TRTC-0016G-SD0	TRANSISTOR N-H FREQ TO92 KTC3198-GR
Q501	TRTC-0008Y-SD0	TRANSISTOR N-H FREQ TO92 KTC2120-Y
Q503	TRTA-0012Y-SD0	TRANSISTOR P-H FREQ TO92L KTC1273-Y
Q504	TRTC-0060E-SOS	TRANSISTOR N-H FREQ TO92M DTC144E-S
Q505	TRTA-0008G-SD0	TRANSISTOR P-H FREQ TO92 KTA1266-GR
Q506	TRTA-0009Y-SD0	TRANSISTOR P-H FREQ TO92 KTC1271-Y
R801	RFUH-AR68K-110	RESISTOR-FUSIBLE H 1/6W 0.68ohm 10%
SW701	SWTA-00220-060	SWITCH-TACT SKHV10910 12V 50mA
SW702	SWTA-00220-060	SWITCH-TACT SKHV10910 12V 50mA
Z701	KTRE-00051-040	RESISTOR CSA4.00MG 4MHz

IV. PART LIST

MECHA BLOCK CWA-414RR


MECHANISM-A
3
5
1
2
4
5
MECHANISM-B

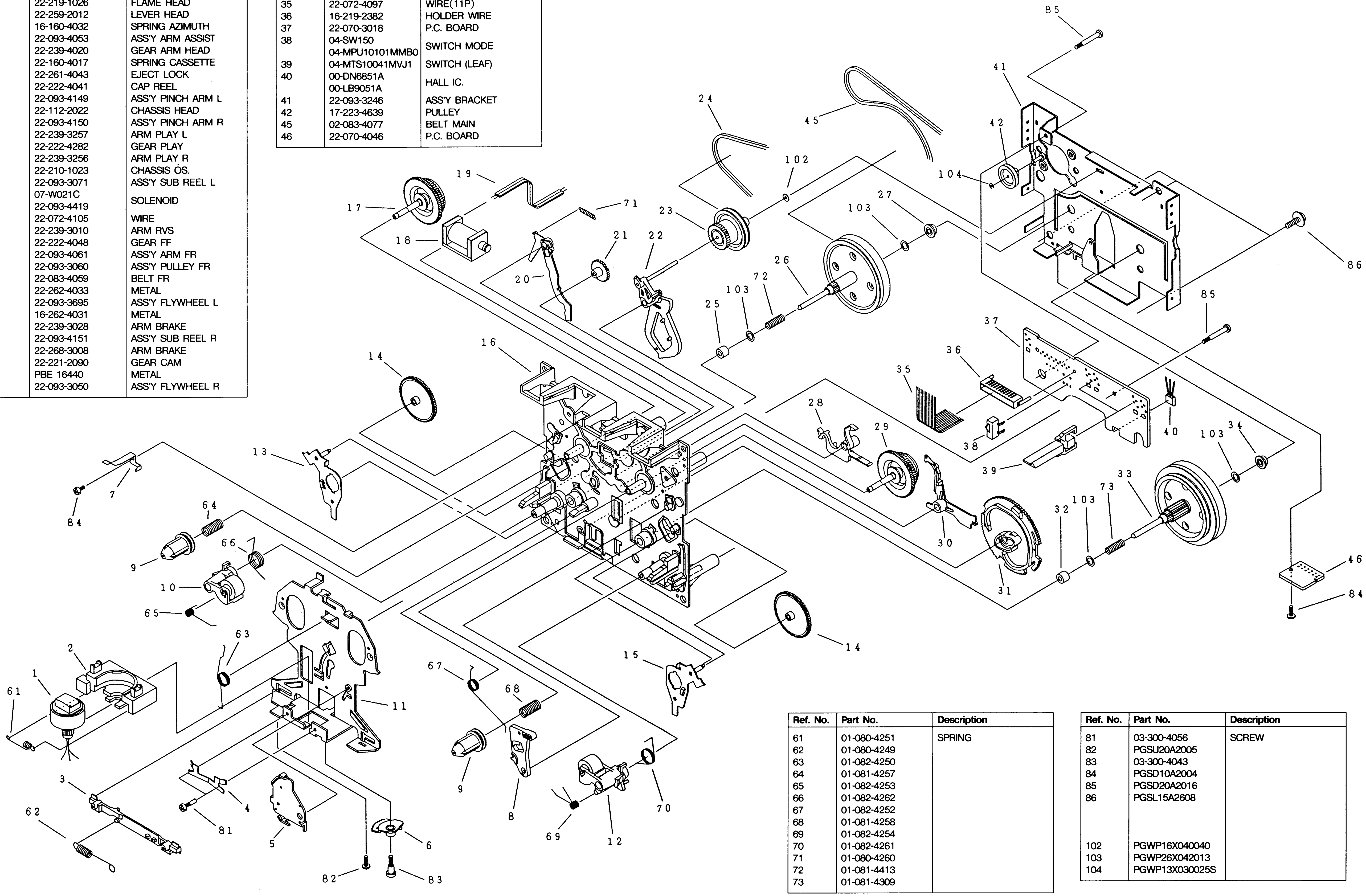
Ref. No.	Part No.	Description
1	22-093-4139	ASS'Y MOTOR
2	16-072-4056	WIRE
3	22-119-3091	BRACKET MOTOR
4	PGSP11A2604	SCREW
5	PGSD10A2004	SCREW

IV. PART LIST

MECHA BLOCK (A) CWA-414RR

Ref. No.	Part No.	Description
1	22-093-4067	ASS'Y HOLDER HEAD
2	22-219-1026	FLAME HEAD
3	22-259-2012	LEVER HEAD
4	16-160-4032	SPRING AZIMUTH
5	22-093-4053	ASS'Y ARM ASSIST
6	22-239-4020	GEAR ARM HEAD
7	22-160-4017	SPRING CASSETTE
8	22-261-4043	EJECT LOCK
9	22-222-4041	CAP REEL
10	22-093-4149	ASS'Y PINCH ARM L
11	22-112-2022	CHASSIS HEAD
12	22-093-4150	ASS'Y PINCH ARM R
13	22-239-3257	ARM PLAY L
14	22-222-4282	GEAR PLAY
15	22-239-3256	ARM PLAY R
16	22-210-1023	CHASSIS ÓS.
17	22-093-3071	ASS'Y SUB REEL L
18	07-W021C 22-093-4419	SOLENOID
19	22-072-4105	WIRE
20	22-239-3010	ARM RVS
21	22-222-4048	GEAR FF
22	22-093-4061	ASS'Y ARM FR
23	22-093-3060	ASS'Y PULLEY FR
24	22-083-4059	BELT FR
25	22-262-4033	METAL
26	22-093-3695	ASS'Y FLYWHEEL L
27	16-262-4031	METAL
28	22-239-3028	ARM BRAKE
29	22-093-4151	ASS'Y SUB REEL R
30	22-268-3008	ARM BRAKE
31	22-221-2090	GEAR CAM
32	PBE 16440	METAL
33	22-093-3050	ASS'Y FLYWHEEL R

Ref. No.	Part No.	Description
34	16-262-4030	METAL
35	22-072-4097	WIRE(11P)
36	16-219-2382	HOLDER WIRE
37	22-070-3018	P.C. BOARD
38	04-SW150 04-MPU10101MMB0	SWITCH MODE
39	04-MTS10041MVJ1	SWITCH (LEAF)
40	00-DN6851A 00-LB9051A	HALL IC.
41	22-093-3246	ASS'Y BRACKET
42	17-223-4639	PULLEY
45	02-083-4077	BELT MAIN
46	22-070-4046	P.C. BOARD



Ref. No.	Part No.	Description
61	01-080-4251	SPRING
62	01-080-4249	
63	01-082-4250	
64	01-081-4257	
65	01-082-4253	
66	01-082-4262	
67	01-082-4252	
68	01-081-4258	
69	01-082-4254	
70	01-082-4261	
71	01-080-4260	
72	01-081-4413	
73	01-081-4309	

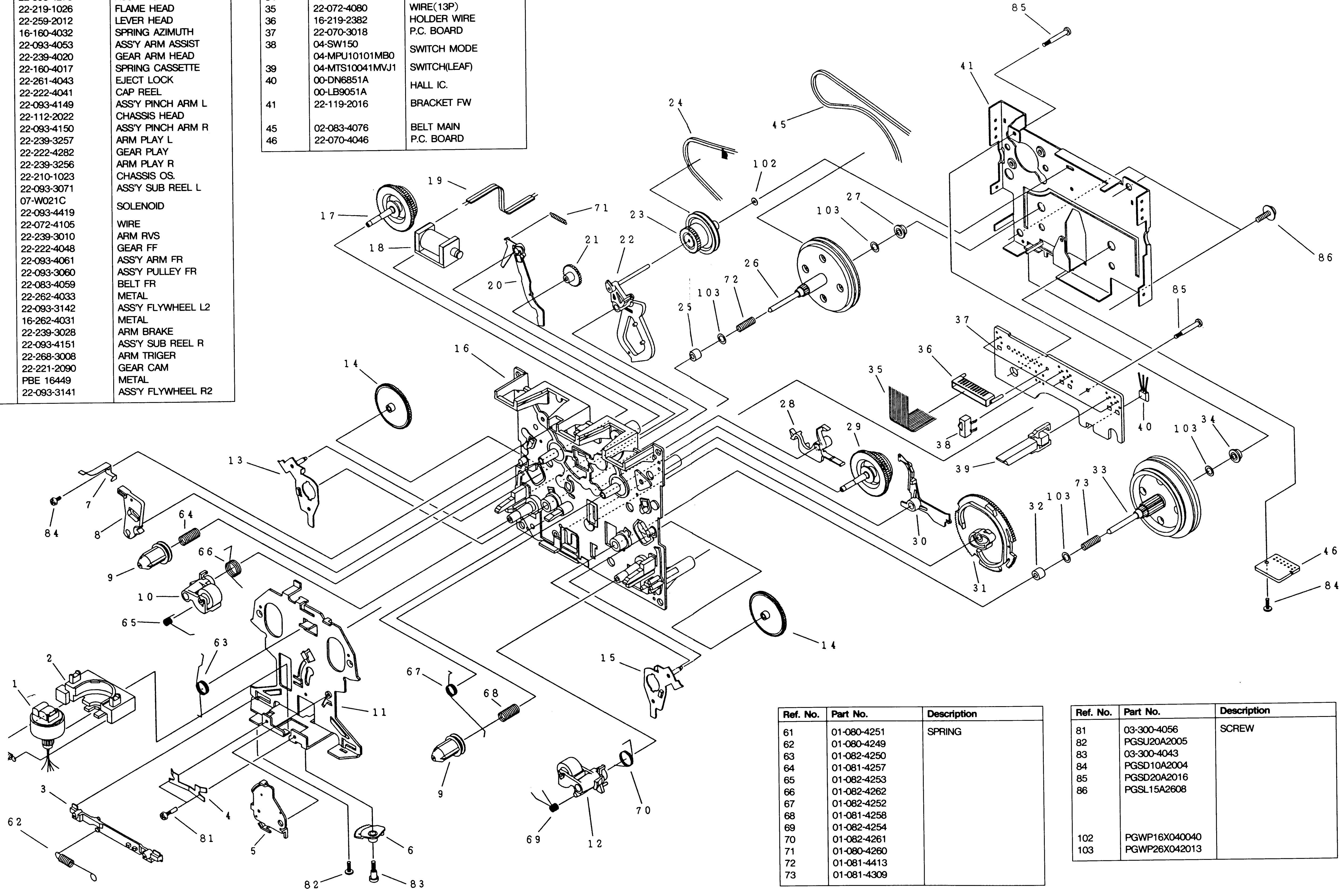
Ref. No.	Part No.	Description
81	03-300-4056	SCREW
82	PGSU20A2005	
83	03-300-4043	
84	PGSD10A2004	
85	PGSD20A2016	
86	PGSL15A2608	
102	PGWP16X040040	
103	PGWP26X042013	
104	PGWP13X030025S	

IV. PART LIST

MECHA BLOCK (B) CWA-414RR

Ref. No.	Part No.	Description
1	22-093-4270	ASS'Y HOLDER HEAD
2	22-219-1026	FLAME HEAD
3	22-259-2012	LEVER HEAD
4	16-160-4032	SPRING AZIMUTH
5	22-093-4053	ASS'Y ARM ASSIST
6	22-239-4020	GEAR ARM HEAD
7	22-160-4017	SPRING CASSETTE
8	22-261-4043	EJECT LOCK
9	22-222-4041	CAP REEL
10	22-093-4149	ASS'Y PINCH ARM L
11	22-112-2022	CHASSIS HEAD
12	22-093-4150	ASS'Y PINCH ARM R
13	22-239-3257	ARM PLAY L
14	22-222-4282	GEAR PLAY
15	22-239-3256	ARM PLAY R
16	22-210-1023	CHASSIS OS.
17	22-093-3071	ASS'Y SUB REEL L
18	07-W021C 22-093-4419	SOLENOID
19	22-072-4105	WIRE
20	22-239-3010	ARM RVS
21	22-222-4048	GEAR FF
22	22-093-4061	ASS'Y ARM FR
23	22-093-3060	ASS'Y PULLEY FR
24	22-083-4059	BELT FR
25	22-262-4033	METAL
26	22-093-3142	ASS'Y FLYWHEEL L2
27	16-262-4031	METAL
28	22-239-3028	ARM BRAKE
29	22-093-4151	ASS'Y SUB REEL R
30	22-268-3008	ARM TRIGER
31	22-221-2090	GEAR CAM
32	PBE 16449	METAL
33	22-093-3141	ASS'Y FLYWHEEL R2

Ref. No.	Part No.	Description
34	16-262-4030	METAL
35	22-072-4080	WIRE(13P)
36	16-219-2382	HOLDER WIRE
37	22-070-3018	P.C. BOARD
38	04-SW150 04-MPU10101MB0	SWITCH MODE
39	04-MTS10041MVJ1	SWITCH(LEAF)
40	00-DN6851A 00-LB9051A	HALL IC.
41	22-119-2016	BRACKET FW
45	02-083-4076	BELT MAIN
46	22-070-4046	P.C. BOARD

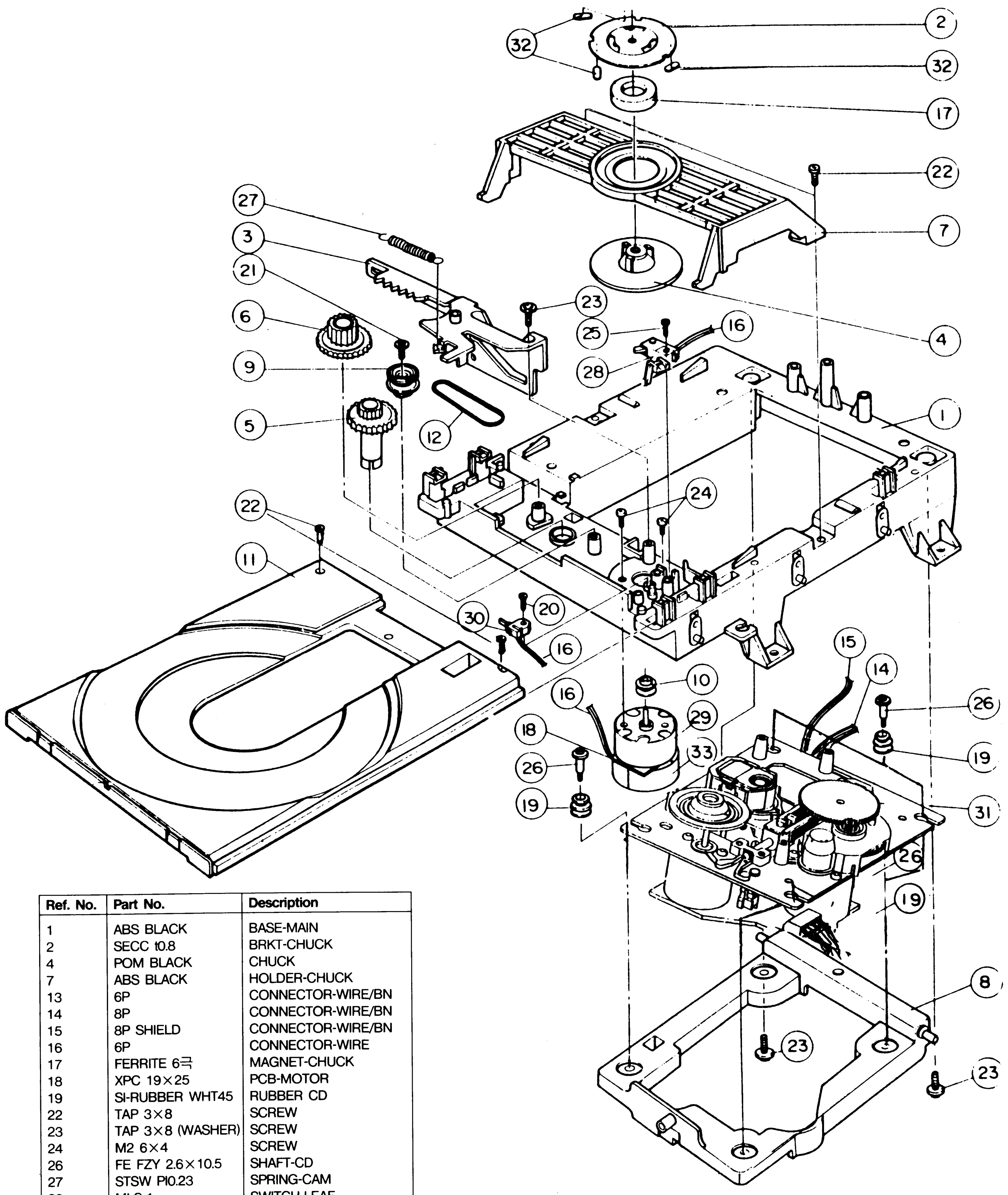


Ref. No.	Part No.	Description
61	01-080-4251	SPRING
62	01-080-4249	
63	01-082-4250	
64	01-081-4257	
65	01-082-4253	
66	01-082-4262	
67	01-082-4252	
68	01-081-4258	
69	01-082-4254	
70	01-082-4261	
71	01-080-4260	
72	01-081-4413	
73	01-081-4309	

Ref. No.	Part No.	Description
81	03-300-4056	SCREW
82	PGSU20A2005	
83	03-300-4043	
84	PGSD10A2004	
85	PGSD20A2016	
86	PGSL15A2608	
102	PGWP16X040040	
103	PGWP26X042013	

IV. PARTS LIST

CDP MECHA BLOCK CMS-M3A



Ref. No.	Part No.	Description
1	ABS BLACK	BASE-MAIN
2	SECC t0.8	BRKT-CHUCK
4	POM BLACK	CHUCK
7	ABS BLACK	HOLDER-CHUCK
13	6P	CONNECTOR-WIRE/BN
14	8P	CONNECTOR-WIRE/BN
15	8P SHIELD	CONNECTOR-WIRE/BN
16	6P	CONNECTOR-WIRE
17	FERRITE 6극	MAGNET-CHUCK
18	XPC 19×25	PCB-MOTOR
19	SI-RUBBER WHT45	RUBBER CD
22	TAP 3×8	SCREW
23	TAP 3×8 (WASHER)	SCREW
24	M2 6×4	SCREW
26	FE FZY 2.6×10.5	SHAFT-CD
27	STSW PI0.23	SPRING-CAM
28	MLS-1	SWITCH-LEAF
29	RF-500TB-12560	MOTOR-DC
30		SWITCH-MICRO L SPPB-11
31	CMS-V10	DECK-CD
32	FELT 4.5×10	CUSHION-BRKT

4. MECHA BLOCK C.D.P

Ref No.	Description	Q'ty	Remark
	DECK-CD MINI MECHA ASS'Y ; (MS-M1/A)		ASS'Y
1	BASE-MAIN ; ABS BLACK	1	
2	BRKT-CHUCK ; SECC t0.8	1	
4	CHUCK ; POM BLACK	1	
7	HOLDER-CHUCK ABS BLACK	1	
13	CONNECTOR-WIRE/BN ; 6P	1	
14	CONNECTOR-WIRE/BN ; 8P	1	
15	CONNECTOR-WIRE/BN ; 8P SHIELD	1	
16	CONNECTOR-WIRE/BN ; 6P	1	
17	MAGNET-CHUCK ; FERRITE 6극	1	
18	PCB-MOTOR ; XPC 19×25	1	
19	RUBBER CD ; SI-RUBBER WHT45	4	
22	SCREW ; TAP 3×3	3	
23	SCREW ; TAP 3×3 (WASHER)	3	
24	SCREW ; M2.6×4	2	
26	SHAFT-CD ; FE FZY 2.6×10.5	4	
27	SPRING-CAM ; STSW PI0.23	1	
28	SWITCH-LEAF ; MLS-1	1	
29	MOTOR-DC ; RF-500TB-12560	1	
30	SWITCH-MICRO L SPPB-11	1	
31	DECK-CD ; CMS-V10	1	
32	CUSHION-BRKT ; FELT 4.5×10	3	

5. TUNER MAIN P.C BOARD

Ref. No.	Part No.	Description
	UM09-70272-004	WIRE ASS'Y UL1077 # 124 FC-07P 500
AT1	TEAT-00051-03R	TERMINAL ANTENNA AK1/2-1058A
BT01	BTBP-00011-BPM	FILTER-MICA PRINT BPMB6A 88-108MHz
CF101	BTCE-00152-107	FILTER-CERAMIC SFE 10.7MJA10H-A FTZ
CF102	BTCE-00152-107	FILTER-CERAMIC SFE 10.7MJA10H-A FTZ
CF201	BTCE-00050-004	FILTER-CERAMIC SFU 450B
CN-1	KNCW-00121-FS9	CONNECTOR-WAFER YFAW025-15T 19.5mm WHT
CN-2	KNCW-00710-FB9	CONNECTOR-WAFER 5325-15 2.5mm 15P WHT
C101	CCCT-J103Z-0DF	CAPACITOR CERAMIC T 50V 0.01μF Z F
C102	CCCT-J473Z-0JF	CAPACITOR CERAMIC T 50V 0.047μF Z F
C103	CCCT-J223Z-0FF	CAPACITOR CERAMIC T 50V 0.022μF Z F
C104	CEET-G100M-CI0	CAPACITOR E/ALUMINUM T 35V 10μF M 5×11
C105	CCCT-J103Z-0DF	CAPACITOR CERAMIC T 50V 0.01μF Z F
C106	CCCT-J473Z-0JF	CAPACITOR CERAMIC T 50V 0.047μF Z F
C107	CEET-G100M-CI0	CAPACITOR E/ALUMINUM T 35V 10μF M 5×11
C108	CCCT-J223Z-0FF	CAPACITOR CERAMIC T 50V 0.022μF Z F
C109	CEET-J4R7M-CI0	CAPACITOR E/ALUMINUM T 50V 4.7μF M 5×11
C110	CCCT-J103Z-0DF	CAPACITOR CERAMIC T 50V 0.01μF Z F
C111	CEET-J6R8M-CI0	CAPACITOR E/ALUMINUM T 50V 6.8μF M 5×11
C112	CEET-J4R7M-CI0	CAPACITOR E/ALUMINUM T 50V 4.7μF M 5×11
C113	CEET-J4R7M-CI0	CAPACITOR E/ALUMINUM T 50V 4.7μF M 5×11
C114	CCCT-J473Z-0JF	CAPACITOR CERAMIC T 50V 0.047μF Z F
C115	CCCT-J473Z-0JF	CAPACITOR CERAMIC T 50V 0.047μF Z F
C116	CEET-J470M-CI0	CAPACITOR E/ALUMINUM T 25V 47μF M 5×11
C117	CCCT-J473Z-0JF	CAPACITOR CERAMIC T 50V 0.047μF Z F
C118	CEET-J1R0M-CI0	CAPACITOR E/ALUMINUM T 50V 1.0μF M 5×11
C119	CCCT-J101K-0BB	CAPACITOR CERAMIC T 50V 100PF K B
C120	CEET-G100M-CI0	CAPACITOR E/ALUMINUM T 35V 10μF M 5×11
C121	CFMT-N153J-EK0	CAPACITOR F/POLYESTR T 100V 0.015μF J 7.1×13
C122	CFMT-N333J-FK0	CAPACITOR F/POLYESTR T 100V 0.033μF J 8.1×13
C123	CEET-G100M-CI0	CAPACITOR E/ALUMINUM T 35V 10μF M 5×11
C124	CCCT-J473Z-0JF	CAPACITOR CERAMIC T 50V 0.047μF Z F
C201	CCCT-J223Z-0FF	CAPACITOR CERAMIC T 50V 0.022μF Z F
C202	CCCT-J223Z-0FF	CAPACITOR CERAMIC T 50V 0.022μF Z F
C203	CCCT-J223Z-0FF	CAPACITOR CERAMIC T 50V 0.022μF Z F
C204	CCCT-J103Z-0DF	CAPACITOR CERAMIC T 50V 0.01μF Z F
C205	CCCT-J103Z-0DF	CAPACITOR CERAMIC T 50V 0.01μF Z F
C206	CCTT-J220J-0BZ	CAPACITOR CERAMIC T 50V 22PF J SL
C207	CFSW-0471J-DK0	CAPACITOR F/STYROL W 125V 470PF J 6×13
C301	CEET-G100M-CI0	CAPACITOR E/ALUMINUM T 35V 10μF M 5×11
C302	CEET-J3R3M-CI0	CAPACITOR E/ALUMINUM T 50V 3.3μF M 5×11
C303	CEET-J1R0M-CI0	CAPACITOR E/ALUMINUM T 50V 1.0μF M 5×11
C304	CEET-F470M-CI0	CAPACITOR E/ALUMINUM T 25V 47μF M 5×11
C305	CFSW-O102J-DL0	CAPACITOR F/STYROL W 125V 1000PF J 6.5×16
C306	CEET-J1R0M-CI0	CAPACITOR E/ALUMINUM T 50V 1.0μF M 5×11
C307	CFMT-N153J-EK0	CAPACITOR F/POLYESTR T 100V 0.015μF J 7.1×13
C308	CEET-J1R0M-CI0	CAPACITOR E/ALUMINUM T 50V 1.0μF M 5×11
C309	CFMT-N153J-EK0	CAPACITOR F/POLYESTR T 100V 0.015μF J 7.1×13
C310	CEET-J1R0M-CI0	CAPACITOR E/ALUMINUM T 50V 1.0μF M 5×11
C311	CEET-J1R0M-CI0	CAPACITOR E/ALUMINUM T 50V 1.0μF M 5×11
C313	CEET-J1R0M-CI0	CAPACITOR E/ALUMINUM T 50V 1.0μF M 5×11
C314	CEET-F470M-CI0	CAPACITOR E/ALUMINUM T 25V 47μF M 5×11
C315	CCCT-J103Z-0DF	CAPACITOR CERAMIC T 50V 0.01μF Z F
C316	CEET-JR68M-CI0	CAPACITOR E/ALUMINUM T 50V 0.68μF M 5×11
C401	CCCT-J300J-0BZ	CAPACITOR CERAMIC T 50V 30PF J SL
C402	CCCT-J300J-0BZ	CAPACITOR CERAMIC T 50V 30PF J SL
C403	CCCT-J223J-0FF	CAPACITOR CERAMIC T 50V 0.022PF Z F
C404	CEET-G100M-CI0	CAPACITOR E/ALUMINUM T 35V 10μF M 5×11
C405	CCCT-J223J-0FF	CAPACITOR CERAMIC T 50V 0.022μF Z F
C406	CCCT-J103J-0DF	CAPACITOR CERAMIC T 50V 0.01μF Z F
C407	CEET-J1R0M-CI0	CAPACITOR E/ALUMINUM T 50V 1.0μF M 5×11
C408	CEET-F470M-CI0	CAPACITOR E/ALUMINUM T 25V 47μF M 5×11
C409	CCCT-J102K-0BB	CAPACITOR CERAMIC T 50V 1000PF K B
C410	CCCT-J223K-0FF	CAPACITOR CERAMIC T 50V 0.022μF Z F
C501	CEEM-F102M-KN1	CAPACITOR E/ALUMINUM T 25V 1000μF M 13×20 U
C502	CCCT-J103K-0DF	CAPACITOR CERAMIC T 50V 0.01μF Z F
C503	CCCT-J103Z-0DF	CAPACITOR CERAMIC T 50V 0.01μF Z F
C504	CEET-G470M-DI0	CAPACITOR E/ALUMINUM T 35V 47μF M 6.3×11
C505	CEET-J101M-FI0	CAPACITOR E/ALUMINUM T 50V 100μF M 8×11.5
C506	CEET-F101M-DI0	CAPACITOR E/ALUMINUM T 25V 100μF M 6.3×11
C507	CEET-E221M-FI0	CAPACITOR E/ALUMINUM T 16V 220μF M 8×11.5
C508	CEET-E101M-DI0	CAPACITOR E/ALUMINUM T 16V 100μF M 6.3×11
C509	CEET-E101M-DI0	CAPACITOR E/ALUMINUM T 16V 100μF M 6.3×11
C510	CEET-E101M-DI0	CAPACITOR E/ALUMINUM T 16V 100μF M 6.3×11
C511	CCCT-J101K-0BB	CAPACITOR CERAMIC T 50V 100PF K B
C512	CCCT-J101K-0BB	CAPACITOR CERAMIC T 50V 100PF K B
C601	CEET-J2R2M-CI0	CAPACITOR E/ALUMINUM T 50V 2.2μF M 5×11
C602	CEET-J2R2M-CI0	CAPACITOR E/ALUMINUM T 50V 2.2μF M 5×11
C603	CESG-B104Z-JC0	CAPACITOR E/DO LAYER S 5.5V 0.1F Z 12.5×5.5H
C604	CCCT-J223Z-0FF	CAPACITOR CERAMIC T 50V 0.022μF Z F
C605	CCCT-J300J-0BZ	CAPACITOR CERAMIC T 50V 30PF J SL
C606	CCTT-J300J-0BZ	CAPACITOR CERAMIC T 50V 30PF J SL
C607	CCCT-J223J-0FF	CAPACITOR CERAMIC T 50V 0.022μF Z F
C608	CCCT-J223J-0FF	CAPACITOR CERAMIC T 50V 0.022μF Z F
D201	DDTS-00060-SO0	DIODE-SI T DO-40 1SS131 (90V 0.13A)
D202	DDTV-00030-S30	DIODE-VVC T DIP2 1SV149 AM 8V
D203	DDTV-00030-S30	DIODE-VVC T DIP2 1SV149 AM 8V
D401	DDTS-00060-SO0	DIODE-SI T DO-40 1SS131 (90V 0.13A)
D402	DDTS-00060-SO0	DIODE-SI T DO-40 1SS131 (90V 0.13A)
D403	DDTS-00060-SO0	DIODE-SI T DO-40 1SS131 (90V 0.13A)
D404	DDTS-00060-SO0	DIODE-SI T DO-40 1SS131 (90V 0.13A)
D405	DDTS-00060-SO0	DIODE-SI T DO-40 1SS131 (90V 0.13A)
D406	DDTS-00060-SO0	DIODE-SI T DO-40 1SS131 (90V 0.13A)
D407	DDTS-00060-SO0	DIODE-SI T DO-40 1SS131 (90V 0.13A)
D408	DDTS-00060-SO0	DIODE-SI T DO-40 1SS131 (90V 0.13A)
D501	DDTR-00040-T10	DIODE-RECTIFIER T DO-41 1N4004 (400V 1A)
D502	DDTR-00040-T10	DIODE-RECTIFIER T DO-41 1N4004 (400V 1A)
D503	DDTZ-G300D-SO0	DIODE ZENER T DO-40 MTZ30D 29.02-30.51
D504	DDTZ-G051B-SO0	DIODE ZENER T DO-40 MTZ5.1B 4.94-5.2
D505	DDTR-00040-T10	DIODE-RECTIFIER T DO-41 1N4004 (400V 1A)
D506	DDTR-00040-T10	DIODE-RECTIFIER T DO-41 1N4004 (400V 1A)
D507	DDTZ-G130B-SO0	DIODE ZENER T DO-40 MTZ13B 12.55-13.21
D508	DDTZ-G062B-SO0	DIODE ZENER T DO-40 MTZ6.2B 5.96-6.27
D602	DDTS-00060-SO0	DIODE-SI T DO-40 1SS131 (90V 0.13A)
D603	DDTS-00060-SO0	DIODE-SI T DO-40 1SS131 (90V 0.13A)
D604	DDTS-00060-SO0	DIODE-SI T DO-40 1SS131 (90V 0.13A)
D605	DDTS-00060-SO0	DIODE-SI T DO-40 1SS131 (90V 0.13A)
D606	DDTS-00060-SO0	DIODE-SI T DO-40 1SS131 (90V 0.13A)
D607	DDTS-00060-SO0	DIODE-SI T DO-40 1SS131 (90V 0.13A)
D608	DDTS-00060-SO0	DIODE-SI T DO-40 1SS131 (90V 0.13A)
D609	DDTS-00060-SO0	DIODE-SI T DO-40 1SS131 (90V 0.13A)
FE1	TUFF-00160-00D	FRONT-END FTH4-560V FTZ
FL1	DPFL-00250-00T	DISPLAY-FLUORSCENT TUNER SVA-8MS10
IC101	ICLN-00220-S10	IC FM/AM IF+DET DIP22S LA1265
IC102	ICLN-00070-SD0	IC PLL FM MPX SIP 9 KIA7343P
IC103	ICLN-20380-S10	IC PLL DIP24S LC7218
IC201	ICMP-00690-SA0	IC HCOMPUTER DIP-64 HD614081S65
IC202	ICOP-00210-SD0	IC RESET TO-92 KIA7042P/F 4.2V
L201	KIFK-00050-E40	COIL-FM CHOKE AFK-004 2.2μH K
MP001	MPAC-03811-004	TERMINAL-GND
MP002	MPAC-03811-004	TERMINAL-GND
PT1	TFVT-00040-46B	VOLTAGE TRANS A41-102L-0 41m/m PIN TYPE
Q101	TRTC-0010Y-SD0	TRANSISTOR N-H FREQ T092 KTC1923-Y
Q102	TRTC-0016G-SD0	TRANSISTOR N-H FREQ T092 KTC3198-GR
Q103	TRTC-0016G-SD0	TRANSISTOR N-H FREQ T092 KTC3198-GR
Q104	TRTC-0016G-SD0	TRANSISTOR N-H FREQ T092 KTC3198-GR
Q105	TRTC-0016G-SD0	TRANSISTOR N-H FREQ T092 KTC3198-GR
Q107	TRTD-00200-SD0	TRANSISTOR N-L FREQ T092 KTD-1302
Q108	TRTD-00200-SD0	TRANSISTOR N-L FREQ T092 KTD-1302
Q109	TRTA-0008G-SD0	TRANSISTOR P-H FREQ T092 KTA1266-GR
Q110	TRTC-0016G-SD0	TRANSISTOR N-H FREQ T092 KTC3198-GR
Q201	TRTK-0003G-SD0	FET N-CHANNEL T092M KTK161-GR
Q202	TRTC-0016G-SD0	TRANSISTOR N-H FREQ T092 KTC3198-GR
Q203	TRTC-0016G-SD0	TRANSISTOR N-H FREQ T092 KTC3198-GR
Q204	TRTA-0008G-SD0	TRANSISTOR P-H FREQ T092 KTA1266-GR
Q205	TRTA-0008G-SD0	TRANSISTOR P-H FREQ T092 KTA1266-GR
Q206	TRTA-0008G-SD0	TRANSISTOR P-H FREQ T092 KTA1266-GR

IV. PARTS LIST

Ref. No.	Part No.	Description
Q207	TRTC-0016G-SD0	TRANSISTOR N-H FREQ T092 KTC3198-GR
Q208	TRTA-0008G-SD0	TRANSISTOR P-H FREQ T092 KTA1266-GR
Q209	TRTA-0008G-SD0	TRANSISTOR P-H FREQ T092 KTA1266-GR
Q210	TRTC-0016G-SD0	TRANSISTOR N-H FREQ T092 KTC3198-GR
Q501	TRTA-0012G-SD0	TRANSISTOR P-H FREQ T092L KTA1273-Y
Q502	TRTC-0039Y-SD0	TRANSISTOR N-H FREQ T092L KTA3205-Y
Q503	TRTC-0039Y-SD0	TRANSISTOR N-H FREQ T092L KTA3205-Y
Q504	TRTC-0016G-SD0	TRANSISTOR N-H FREQ T092 KTC3198-GR
Q505	TRTC-0016G-SD0	TRANSISTOR N-H FREQ T092 KTC3198-GR
Q601	TRTA-0008G-SD0	TRANSISTOR P-H FREQ T092 KTC1266-GR
Q602	TRTC-0016G-SD0	TRANSISTOR N-H FREQ T092 KTC3198-GR
R100	RCFT-E151J-000	RESISTOR-CARBON FILM T 1/5W 150ohm 5%
R100-1	RCFT-E561J-000	RESISTOR-CARBON FILM T 1/5W 560ohm 5%
R101	RCFT-E561J-000	RESISTOR-CARBON FILM T 1/5W 560ohm 5%
R102	RCFT-E101J-000	RESISTOR-CARBON FILM T 1/5W 100ohm 5%
R103	RCFT-E224J-000	RESISTOR-CARBON FILM T 1/5W 220Kohm 5%
R104	RCFT-E104J-000	RESISTOR-CARBON FILM T 1/5W 100Kohm 5%
R105	RCFT-E628J-000	RESISTOR-CARBON FILM T 1/5W 6.8Kohm 5%
R106	RCFT-E332J-000	RESISTOR-CARBON FILM T 1/5W 3.3Kohm 5%
R107	RCFT-E331J-000	RESISTOR-CARBON FILM T 1/5W 330ohm 5%
R108	RCFT-E102J-000	RESISTOR-CARBON FILM T 1/5W 1Kohm 5%
R109	RCFT-E101J-000	RESISTOR-CARBON FILM T 1/5W 100ohm 5%
R110	RCFT-E472J-000	RESISTOR-CARBON FILM T 1/5W 4.7Kohm 5%
R111	RCFT-E103J-000	RESISTOR-CARBON FILM T 1/5W 10Kohm 5%
R112	RCFT-E222J-000	RESISTOR-CARBON FILM T 1/5W 2.2Kohm 5%
R113	RCFT-E220J-000	RESISTOR-CARBON FILM T 1/5W 22ohm 5%
R114	RCFT-E363J-000	RESISTOR-CARBON FILM T 1/5W 36Kohm 5%
R115	RCFT-E820J-000	RESISTOR-CARBON FILM T 1/5W 82ohm 5%
R116	RCFT-E561J-000	RESISTOR-CARBON FILM T 1/5W 560ohm 5%
R117	RCFT-E103J-000	RESISTOR-CARBON FILM T 1/5W 10Kohm 5%
R118	RCFT-E103J-000	RESISTOR-CARBON FILM T 1/5W 10Kohm 5%
R119	RCFT-E332J-000	RESISTOR-CARBON FILM T 1/5W 3.3Kohm 5%
R120	RCFT-E104J-000	RESISTOR-CARBON FILM T 1/5W 100Kohm 5%
R121	RCFT-E104J-000	RESISTOR-CARBON FILM T 1/5W 100Kohm 5%
R122	RCFT-E564J-000	RESISTOR-CARBON FILM T 1/5W 560Kohm 5%
R123	RCFT-E152J-000	RESISTOR-CARBON FILM T 1/5W 1.5Kohm 5%
R201	RCFT-E104J-000	RESISTOR-CARBON FILM T 1/5W 100Kohm 5%
R202	RCFT-E331J-000	RESISTOR-CARBON FILM T 1/5W 330ohm 5%
R203	RCFT-E104J-000	RESISTOR-CARBON FILM T 1/5W 100Kohm 5%
R204	RCFT-E221J-000	RESISTOR-CARBON FILM T 1/5W 220ohm 5%
R205	RCFT-E473J-000	RESISTOR-CARBON FILM T 1/5W 47Kohm 5%
R302	RCFT-E102J-000	RESISTOR-CARBON FILM T 1/5W 1Kohm 5%
R303	RCFT-E682J-000	RESISTOR-CARBON FILM T 1/5W 6.8Kohm 5%
R304	RCFT-E154J-000	RESISTOR-CARBON FILM T 1/5W 150Kohm 5%
R305	RCFT-E103J-000	RESISTOR-CARBON FILM T 1/5W 10Kohm 5%
R306	RCFT-E332J-000	RESISTOR-CARBON FILM T 1/5W 3.3Kohm 5%
R307	RCFT-E563J-000	RESISTOR-CARBON FILM T 1/5W 56Kohm 5%
R308	RCFT-E332J-000	RESISTOR-CARBON FILM T 1/5W 3.3Kohm 5%
R309	RCFT-E563J-000	RESISTOR-CARBON FILM T 1/5W 56Kohm 5%
R310	RCFT-E334J-000	RESISTOR-CARBON FILM T 1/5W 330Kohm 5%
R311	RCFT-E332J-000	RESISTOR-CARBON FILM T 1/5W 3.3Kohm 5%
R312	RCFT-E242J-000	RESISTOR-CARBON FILM T 1/5W 2.4Kohm 5%
R313	RCFT-E102J-000	RESISTOR-CARBON FILM T 1/5W 1Kohm 5%
R314	RCFT-E102J-000	RESISTOR-CARBON FILM T 1/5W 1Kohm 5%
R315	RCFT-E334J-000	RESISTOR-CARBON FILM T 1/5W 330Kohm 5%
R316	RCFT-E332J-000	RESISTOR-CARBON FILM T 1/5W 3.3Kohm 5%
R317	RCFT-E242J-000	RESISTOR-CARBON FILM T 1/5W 2.4Kohm 5%
R318	RCFT-E562J-000	RESISTOR-CARBON FILM T 1/5W 5.6Kohm 5%
R319	RCFT-E562J-000	RESISTOR-CARBON FILM T 1/5W 5.6Kohm 5%
R320	RCFT-E103J-000	RESISTOR-CARBON FILM T 1/5W 10Kohm 5%
R321	RCFT-E103J-000	RESISTOR-CARBON FILM T 1/5W 10Kohm 5%
R322	RCFT-E471J-000	RESISTOR-CARBON FILM T 1/5W 470ohm 5%
R323	RCFT-E471J-000	RESISTOR-CARBON FILM T 1/5W 470ohm 5%
R324	RCFT-E103J-000	RESISTOR-CARBON FILM T 1/5W 10Kohm 5%
R325	RCFT-E471J-000	RESISTOR-CARBON FILM T 1/5W 470Kohm 5%
R326	RCFT-E223J-000	RESISTOR-CARBON FILM T 1/5W 22Kohm 5%
R327	RCFT-E104J-000	RESISTOR-CARBON FILM T 1/5W 100Kohm 5%
R328	RCFT-E224J-000	RESISTOR-CARBON FILM T 1/5W 220Kohm 5%

IV. PARTS LIST

Ref. No.	Part No.	Description
R401	RCFT-E473J-000	RESISTOR-CARBON FILM T 1/5W 47Kohm 5%
R402	RCFT-E103J-000	RESISTOR-CARBON FILM T 1/5W 10Kohm 5%
R403	RCFT-E103J-000	RESISTOR-CARBON FILM T 1/5W 10Kohm 5%
R404	RCFT-E102J-000	RESISTOR-CARBON FILM T 1/5W 1Kohm 5%
R405	RCFT-E103J-000	RESISTOR-CARBON FILM T 1/5W 10Kohm 5%
R406	RCFT-E103J-000	RESISTOR-CARBON FILM T 1/5W 10Kohm 5%
R407	RCFT-E683J-000	RESISTOR-CARBON FILM T 1/5W 68Kohm 5%
R408	RCFT-E103J-000	RESISTOR-CARBON FILM T 1/5W 10Kohm 5%
R409	RCFT-E683J-000	RESISTOR-CARBON FILM T 1/5W 68Kohm 5%
R410	RCFT-E103J-000	RESISTOR-CARBON FILM T 1/5W 10Kohm 5%
R411	RCFT-E473J-000	RESISTOR-CARBON FILM T 1/5W 47Kohm 5%
R412	RCFT-E224J-000	RESISTOR-CARBON FILM T 1/5W 220Kohm 5%
R413	RCFT-E473J-000	RESISTOR-CARBON FILM T 1/5W 47Kohm 5%
R414	RCFT-E104J-000	RESISTOR-CARBON FILM T 1/5W 100Kohm 5%
R415	RCFT-E104J-000	RESISTOR-CARBON FILM T 1/5W 100Kohm 5%
R416	RCFT-E103J-000	RESISTOR-CARBON FILM T 1/5W 10Kohm 5%
R417	RCFT-E103J-000	RESISTOR-CARBON FILM T 1/5W 10Kohm 5%
R418	RCFT-E104J-000	RESISTOR-CARBON FILM T 1/5W 100Kohm 5%
R419	RCFT-E102J-000	RESISTOR-CARBON FILM T 1/5W 1Kohm 5%
R420	RCFT-E473J-000	RESISTOR-CARBON FILM T 1/5W 47Kohm 5%
R421	RCFT-E473J-000	RESISTOR-CARBON FILM T 1/5W 47Kohm 5%
R422	RCFT-E103J-000	RESISTOR-CARBON FILM T 1/5W 10Kohm 5%
R501	RCFT-E103J-000	RESISTOR-CARBON FILM T 1/5W 10Kohm 5%
R502	RCFT-E152J-000	RESISTOR-CARBON FILM T 1/5W 1.5Kohm 5%
R505	RCFT-E102J-000	RESISTOR-CARBON FILM T 1/5W 1Kohm 5%
R506	RCFT-E121J-000	RESISTOR-CARBON FILM T 1/4W 120ohm 5%
R507	RCFT-E821J-000	RESISTOR-CARBON FILM T 1/5W 820ohm 5%
R508	RCFT-E473J-000	RESISTOR-CARBON FILM T 1/5W 47Kohm 5%
R509	RCFT-E224J-000	RESISTOR-CARBON FILM T 1/5W 220Kohm 5%
R510	RCFT-E473J-000	RESISTOR-CARBON FILM T 1/5W 47Kohm 5%
R511	RCFT-E224J-000	RESISTOR-CARBON FILM T 1/5W 220Kohm 5%
R512	RCFT-E473J-000	RESISTOR-CARBON FILM T 1/5W 47Kohm 5%
R512	RCFT-E180J-000	RESISTOR-CARBON FILM T 1/5W 18ohm 5%
R513	RCFT-E473J-000	RESISTOR-CARBON FILM T 1/5W 47Kohm 5%
R601	RCFT-E473J-000	RESISTOR-CARBON FILM T 1/5W 47Kohm 5%
R602	RCFT-E103J-000	RESISTOR-CARBON FILM T 1/5W 10Kohm 5%
R603	RCFT-E155J-000	RESISTOR-CARBON FILM T 1/5W 1.5Kohm 5%
R604	RCFT-E474J-000	RESISTOR-CARBON FILM T 1/5W 470Kohm 5%
R605	RCFT-E123J-000	RESISTOR-CARBON FILM T 1/5W 12Kohm 5%
R606	RCFT-E104J-000	RESISTOR-CARBON FILM T 1/5W 100Kohm 5%
R607	RCFT-E102J-000	RESISTOR-CARBON FILM T 1/5W 1Kohm 5%
R608	RCFT-E105J-000	RESISTOR-CARBON FILM T 1/5W 1Kohm 5%
R609	RCFT-E473J-000	RESISTOR-CARBON FILM T 1/5W 47Kohm 5%
R610	RCFT-E224J-000	RESISTOR-CARBON FILM T 1/5W 220Kohm 5%
R611	RCFT-E272J-000	RESISTOR-CARBON FILM T 1/5W 2.7Kohm 5%
R612	RCFT-E272J-000	RESISTOR-CARBON FILM T 1/5W 2.7Kohm 5%
R613	RCFT-E272J-000	RESISTOR-CARBON FILM T 1/5W 2.7Kohm 5%
R614	RCFT-E272J-000	RESISTOR-CARBON FILM T 1/5W 2.7Kohm 5%
R615	RCFT-E224J-000	RESISTOR-CARBON FILM T 1/5W 220Kohm 5%
R616	RCFT-E224J-000	RESISTOR-CARBON FILM T 1/5W 220Kohm 5%
R617	RCFT-E224J-000	RESISTOR-CARBON FILM T 1/5W 220Kohm 5%
R618	RCFT-E224J-000	RESISTOR-CARBON FILM T 1/5W 220Kohm 5%
R619	RCFT-E560J-000	RESISTOR-CARBON FILM T 1/5W 56Kohm 5%
R620	RCFT-E104J-000	RESISTOR-CARBON FILM T 1/5W 100Kohm 5%
SW01	SWTA-00220-060	SWITCH-TACT SKHV10910 12V 50mA
SW02	SWTA-00220-060	SWITCH-TACT SKHV10910 12V 50mA
SW03	SWTA-00220-060	SWITCH-TACT SKHV10910 12V 50mA
SW04	SWTA-00220-060	SWITCH-TACT SKHV10910 12V 50mA
SW05	SWTA-00220-060	SWITCH-TACT SKHV10910 12V 50mA
SW06	SWTA-00220-060	SWITCH-TACT SKHV10910 12V 50mA
SW07	SWTA-00220-060	SWITCH-TACT SKHV10910 12V 50mA
SW08	SWTA-00220-060	SWITCH-TACT SKHV10910 12V 50mA
TC201	VCTC-00022-300	TRIMMER CDVCN06C300
TP1	KNCW-00170-2T9	CONNECTOR-WAFER FW-0640-2 2.5mm WHT
TP2	KNCW-00170-2T9	CONNECTOR-WAFER FW-0640-2 2.5mm WHT
T101	IFFA-00110-E20	IFT-FM AFA011 7mm-CAN
T102	IFFDA-00100-E20	IFT-FM DET AFA010 7mm-CAN
T103	IFFA-00140-E20	IFT-FM AFA014 7mm-CAN
T105	KIML-00020-E20	COIL-FM MPX FILTER AMA002 19KHz 7mm-CAN
T106	KIML-00020-E20	COIL-FM MPX FILTER AMA002 19KHz 7mm-CAN

IV. PARTS LIST

Ref. No.	Part No.	Description
T201	KIAT-00350-E20	COIL-AM ANT AAT035 MW 10mm-CAN
T202	KIAO-00240-E20	COIL-AM OSC AAO24 MW 7mm-CAN
VR101	VFAB-A005B-472	RESISTOR-SEMI FIXED RH0615C100-472 4.7KB
VR102	VFAB-A005B-223	RESISTOR-SEMI FIXED RH0615C100-223 22KB
VR103	VFAB-A005B-103	RESISTOR-SEMI FIXED RH0615C100-103 10KB
X01	KTAL-00040-072	CRYSTAL HC-49/U 7.2MHz
X02	KTRE-00051-040	RESONATOR CSA4.00MG 4MHz

6. AMP MAIN P.C BOARD

Ref. No.	Part No.	Description
C201	CEET-J2R2M-CI0	CAPACITOR E/ALUMINUM T 50V 2.2μF M 5×11
C202	CEET-J2R2M-CI0	CAPACITOR E/ALUMINUM T 50V 2.2μF M 5×11
C203	CCTT-J221M-0DZ	CAPACITOR CERAMIC T 50V 220PF J SL
C204	CCTT-J221M-0DZ	CAPACITOR CERAMIC T 50V 220PF J SL
C205	CEET-D101M-DE0	CAPACITOR E/ALUMINUM T 10V 100μF M 6.3×7
C206	CEET-D101M-DE0	CAPACITOR E/ALUMINUM T 10V 100μF M 6.3×7
C207	CEET-J100M-CI0	CAPACITOR E/ALUMINUM T 50V 10μF M 5×11
C209	CEET-J470M-DI0	CAPACITOR E/ALUMINUM T 50V 47μF M 6.3×11
C210	CEET-J470M-DI0	CAPACITOR E/ALUMINUM T 50V 47μF M 6.3×11
C212	CFMT-N104J-JK0	CAPACITOR F/POLYESTR T 100V 0.10μF J 12.1×14
C213	CFMT-N223J-EK0	CAPACITOR F/POLYESTR T 100V 0.022μF J 7.4×13
C214	CFMT-N223J-EK0	CAPACITOR F/POLYESTR T 100V 0.022μF J 7.4×13
C215	CFMT-N103J-EK0	CAPACITOR F/POLYESTR T 100V 0.010μF J 6.8×13
C216	CFMT-N103J-EK0	CAPACITOR F/POLYESTR T 100V 0.010μF J 6.8×13
C217	CFMT-N272J-DJ0	CAPACITOR F/POLYESTR T 100V 0.0027μF J 5.7×12
C218	CFMT-N272J-DJ0	CAPACITOR F/POLYESTR T 100V 0.0027μF J 5.7×12
C219	CEET-J1R0M-CI0	CAPACITOR E/ALUMINUM T 50V 1.0μF M 5×11
C220	CEET-J1R0M-CI0	CAPACITOR E/ALUMINUM T 50V 1.0μF M 5×11
C221	CEET-D101M-CE0	CAPACITOR E/ALUMINUM T 10V 100μF M 6.3×7
C222	CEET-D101M-CE0	CAPACITOR E/ALUMINUM T 10V 100μF M 6.3×7
C223	CEET-F101M-DI0	CAPACITOR E/ALUMINUM T 25V 100μF M 6.3×7
C224	CEET-F101M-DI0	CAPACITOR E/ALUMINUM T 25V 100μF M 6.3×11
C225	CEET-F221M-FI1	CAPACITOR E/ALUMINUM T 25V 220μF M 8×11.5
C226	CEET-J470M-DI0	CAPACITOR E/ALUMINUM T 50V 47μF M 6.3×11
C227	CFMT-N473J-GK0	CAPACITOR F/POLYESTR T 100V 0.047μF J 8.9×13
C228	CFNT-N473J-GK0	CAPACITOR F/POLYESTR T 100V 0.047μF J 8.9×13
C229	CEET-J101M-FI0	CAPACITOR E/ALUMINUM T 50V 100μF M 8×11.5
C230	CEET-J1R0M-CI0	CAPACITOR E/ALUMINUM T 50V 1.0μF M 5×11
C231	CCCT-J104Z-0FF	CAPACITOR CERAMIC T 50V 0.1μF Z F
C232	CEET-J100M-CI0	CAPACITOR E/ALUMINUM T 50V 10μF M 5×11
C233	CEET-G470M-DI0	CAPACITOR E/ALUMINUM T 35V 47μF M 6.3×11
C234	CEET-J220M-CI0	CAPACITOR E/ALUMINUM T 50V 22μF M 5×11
C237	CEET-E101M-DI0	CAPACITOR E/ALUMINUM T 16V 100μF M 6.3×11
C401	CEET-J1R0M-CI0	CAPACITOR E/ALUMINUM T 50V 1.0μF M 5×11
C402	CCTT-J181J-0DZ	CAPACITOR CERAMIC T 50V 180PF J SL
C403	CEET-F220M-CI0	CAPACITOR E/ALUMINUM T 25V 22μF M 5×11
C404	CEET-G100M-CI0	CAPACITOR E/ALUMINUM T 35V 10μF M 5×11
C405	CEET-J1R0M-CI0	CAPACITOR E/ALUMINUM T 50V 1.0μF M 5×11
C406	CEET-J1R0M-CI0	CAPACITOR E/ALUMINUM T 50V 1.0μF M 5×11
C407	CEET-J1R0M-CI0	CAPACITOR E/ALUMINUM T 50V 1.0μF M 5×11
C408	CEET-F220M-CI0	CAPACITOR E/ALUMINUM T 25V 22μF M 5×11
C409	CEET-J1R0M-CI0	CAPACITOR E/ALUMINUM T 50V 1.0μF M 5×11
C501	CEET-J1R0M-CI0	CAPACITOR E/ALUMINUM T 50V 1.0μF M 5×11
C502	CEET-J1R0M-CI0	CAPACITOR E/ALUMINUM T 50V 1.0μF M 5×11
C503	CEET-E101M-DI0	CAPACITOR E/ALUMINUM T 16V 100μF M 6.3×11
C504	CEET-E101M-DI0	CAPACITOR E/ALUMINUM T 16V 100μF M 6.3×11
C505	CFMT-N822J-DJ0	CAPACITOR F/POLYESTR T 100V 0.0082μF J 6.5×12
C506	CFMT-N822J-DJ0	CAPACITOR F/POLYESTR T 100V 0.0082μF J 6.5×12
C507	CFMT-N393J-FK0	CAPACITOR F/POLYESTR T 100V 0.039μF J 8.5×13
C508	CFMT-N393J-FK0	CAPACITOR F/POLYESTR T 100V 0.039μF J 8.5×13
C509	CFMT-N333J-FK0	CAPACITOR F/POLYESTR T 100V 0.033μF J 8.1×13
C510	CFMT-N333J-FK0	CAPACITOR F/POLYESTR T 100V 0.033μF J 8.1×13
C511	CFMT-N183J-EK0	CAPACITOR F/POLYESTR T 100V 0.018μF J 7.3×13
C512	CFMT-N183J-EK0	CAPACITOR F/POLYESTR T 100V 0.018μF J 7.3×13
C513	CEET-F220M-CI0	CAPACITOR E/ALUMINUM T 25V 22μF M 5×11
C514	CEET-F220M-CI0	CAPACITOR E/ALUMINUM T 25V 22μF M 5×11
C515	CEET-JR47M-CI0	CAPACITOR E/ALUMINUM T 50V 0.47μF M 5×11
C516	CEET-JR47M-CI0	CAPACITOR E/ALUMINUM T 50V 0.47μF M 5×11
C517	CEET-J3R3M-CI0	CAPACITOR E/ALUMINUM T 50V 3.3μF M 5×11

IV. PARTS LIST

Ref. No.	Part No.	Description
C518	CEET-J3R3M-CI0	CAPACITOR E/ALUMINUM T 50V 3.3μF M 5×11
C519	CEET-J1R0M-CI0	CAPACITOR E/ALUMINUM T 50V 1.0μF M 5×11
C520	CEET-J1R0M-CI0	CAPACITOR E/ALUMINUM T 50V 1.0μF M 5×11
C901	CCCT-J103Z-0DF	CAPACITOR CERAMIC T 50V 0.01μF Z F
C902	CCCT-J103Z-0DF	CAPACITOR CERAMIC T 50V 0.01μF Z F
C903	CCCT-J103Z-0DF	CAPACITOR CERAMIC T 50V 0.01μF Z F
C904	CCCT-J103Z-0DF	CAPACITOR CERAMIC T 50V 0.01μF Z F
C905	CCCT-J103Z-0DF	CAPACITOR CERAMIC T 50V 0.01μF Z F
C906	CCCT-J103Z-0DF	CAPACITOR CERAMIC T 50V 0.01μF Z F
C910	CEET-D101M-DE0	CAPACITOR E/ALUMINUM T 10V 100μF M 6.3×7
C911	CCCT-J103Z-0DF	CAPACITOR CERAMIC T 50V 0.01μF Z F
C912	CCCT-J103Z-0DF	CAPACITOR CERAMIC T 50V 0.01μF Z F
C913	CCCT-J103Z-0DF	CAPACITOR CERAMIC T 50V 0.01μF Z F
C914	CEET-J470M-DI0	CAPACITOR E/ALUMINUM T 50V 47μF M 6.3×11
C915	CEET-J100M-CI0	CAPACITOR E/ALUMINUM T 50V 10μF M 5×11
C916	CEEM-G102M-KP1	CAPACITOR E/ALUMINUM T 35V 1000μF M 13×25 U
C917	CEET-E101H-DI0	CAPACITOR E/ALUMINUM T 16V 100μF M 6.3×11
C918	CACS-U472P-054	CAPACITOR AC S 400V DE7100FZ472PVA1 P
C919	CEET-E101M-DI0	CAPACITOR E/ALUMINUM T 16V 100μF M 6.3×11
C920	CEET-E471M-FI1	CAPACITOR E/ALUMINUM T 16V 470μF M 8×11.5 U
C922	CEET-G100M-CI0	CAPACITOR E/ALUMINUM T 35V 10μF M 5×11
C923	CEET-G100M-CI0	CAPACITOR E/ALUMINUM T 35V 10μF M 5×11
C924	CEEC-J472M-PT1	CAPACITOR E/ALUMINUM T 50V 4700μF M 25.4×41
C925	CEEC-J472M-PT1	CAPACITOR E/ALUMINUM T 50V 4700μF M 25.4×41
C926	CCCT-J103Z-0DF	CAPACITOR CERAMIC T 50V 0.01μF Z F
C927	CEEC-J101M-FI0	CAPACITOR E/ALUMINUM T 50V 100μF M 8×11.5
C950	CCCT-J104Z-0FF	CAPACITOR CERAMIC T 50V 0.1μF Z F
C951	CCCT-J104Z-0FF	CAPACITOR CERAMIC T 50V 0.1μF Z F
D201	DDTS-00060-SO0	DIODE-SI T DO-40 1SS131 (90V 0.13A)
D202	DDTS-00060-SO0	DIODE-SI T DO-40 1SS131 (90V 0.13A)
D203	DDTS-00060-SO0	DIODE-SI T DO-40 1SS131 (90V 0.13A)
D901	DDTR-00040-T10	DIODE-RECTIFIER T DO-41 1N4004 (400V 1A)
D902	DDTR-00040-T10	DIODE-RECTIFIER T DO-41 1N4004 (400V 1A)
D903	DDTR-00040-T10	DIODE-RECTIFIER T DO-41 1N4004 (400V 1A)
D904	DDTR-00040-T10	DIODE-RECTIFIER T DO-41 1N4004 (400V 1A)
D905	DDTZ-G3000-SO0	DIODE ZENER T DO-40 MTZ30 30
D906	DDTZ-G056R-SO0	DIODE ZENER T DO-40 MTZ5.6B 5.45-5.73
D907	DDTZ-G120B-SO0	DIODE ZENER T DO-40 MTZ12B 11.44-12.03
D908	DDTZ-G062B-SO0	DIODE ZENER T DO-40 MTZ6.2B 5.96-6.27
D909	DDTR-00040-T10	DIODE-RECTIFIER T DO-41 1N4004 (400V 1A)
D914	DDMR-00210-T12	DIODE-RECTIFIER T DO-20 1N5402L (200V 3A)
D915	DDMR-00210-T12	DIODE-RECTIFIER T DO-20 1N5402L (200V 3A)
D916	DDMR-00210-T12	DIODE-RECTIFIER T DO-20 1N5402L (200V 3A)
D917	DDMR-00210-T12	DIODE-RECTIFIER T DO-20 1N5402L (200V 3A)
D919	DDTR-00040-T10	DIODE-RECTIFIER T DO-41 1N4004 (400V 1A)
D920	DDTS-00060-SO0	DIODE-SI T DO-40 1SS131 (90V 0.13A)
D921	DDTR-00040-T10	DIODE-RECTIFIER T DO-41 1N4004 (400V 1A)
F901	FGFB-S2002-33K	FUSE GLASS SB 250V 2A 5×20 KS
IC201	ICHP-00080-S10	IC HYBRID AMP-POWER SIP18 STK4172II 40W×2
IC202	ICHP-00120-S10	IC HYBRID AMP-POWER SIP12 LA4282 10W×2
IC203	ICOP-00131-SE0	IC DUAL OP AMP DIP 8 KA4558C
IC401	ICOP-00130-SE0	IC DUAL OP AMP SIP 9 KA4558S
IC501	ICOP-00131-SE0	IC DUAL OP AMP DIP 8 KA4558C
IC502	ICOP-00131-SE0	IC DUAL OP AMP DIP 8 KA4558C
IC503	ICOP-00131-SE0	IC DUAL OP AMP DIP 8 KA4558C
IC504	ICOP-00131-SE0	IC DUAL OP AMP DIP 8 KA4558C
IC901	ICRG-00060-SE0	IC REGULATOR TO-220 KA7815C 15V
IC902	ICRG-00250-SE0	IC REGULATOR TO-92 MC7915-15
L201	KIBK-00150-E40	COIL-AUDIO CHOCK ABK015 3μH 10-6.2T
L202	KIBK-00150-E40	COIL-AUDIO CHOCK ABK015 3μH 10-6.2T
MAIN P/T	PTAJ-01070-4BK	TRANSFORMER-POWER A74-107BX-K 74mm 110/220KS
ML001	MEAC-08215-004	RADIATOR-TR
ML002	MEAC-08215-004	RADIATOR-TR
Q201	TRTD-00200-SD0	TRANSISTOR N-L FREQ TO92 KTD-1302
Q202	TRTD-00200-SD0	TRANSISTOR N-L FREQ TO92 KTD-1302
Q203	TRTD-00200-SD0	TRANSISTOR N-L FREQ TO92 KTD-1302
Q204	TRTD-00200-SD0	TRANSISTOR N-L FREQ TO92 KTD-1302
Q205	TRTA-0008G-SD0	TRANSISTOR P-H FREQ TO92 KTA1266-GR
Q206	TRTC-0015G-SD0	TRANSISTOR N-H FREQ TO92 KTC3200-GR
Q207	TRTA-0011G-SD0	TRANSISTOR P-H FREQ TO92 KTA1268-GR
Q208	TRTA-0008G-SD0	TRANSISTOR P-H FREQ TO92 KTA1266-GR
Q209	TRTA-0008G-SD0	TRANSISTOR P-H FREQ TO92 KTA1266-GR

IV. PARTS LIST

Ref. No.	Part No.	Description
Q210	TRTC-0060E-SOS	TRANSISTOR N-H FREQ TO92M DTC144E-S
Q211	TRTA-0009Y-SD0	TRANSISTOR P-H FREQ TO92 KTA1271-Y
Q212	TRTC-0016G-SD0	TRANSISTOR N-H FREQ TO92 KTC3198-GR
Q901	TRTA-0011G-SD0	TRANSISTOR P-H FREQ TO92 KTA1268-GR
Q902	TRSD-0008Y-SD0	TRANSISTOR N-L FREQ TO220AB KTD2058-Y
Q903	TRTC-0008Y-SD0	TRANSISTOR N-H FREQ TO92 KTC2120-Y
Q904	TRTC-0016G-SD0	TRANSISTOR N-H FREQ TO92 KTC3198-GR
Q905	TRTC-0016G-SD0	TRANSISTOR N-H FREQ TO92 KTC3198-GR
Q907	TRTC-0060E-SOS	TRANSISTOR N-H FREQ TO92M DTC144E-S
Q908	TRTC-0060E-SOS	TRANSISTOR N-H FREQ TO92M DTC144E-S
Q912	TRTC-0005C-SB0	TRANSISTOR N-H FREQ TO92 2SC2062-C
Q914	TRTC-0016G-SD0	TRANSISTOR N-H FREQ TO92 KTC3198-GR
R201	RCFT-E103J-000	RESISTOR-CARBON FILM T 1/5W 10Kohm 5%
R202	RCFT-E103J-000	RESISTOR-CARBON FILM T 1/5W 10Kohm 5%
R203	RCFT-E103J-000	RESISTOR-CARBON FILM T 1/5W 10Kohm 5%
R204	RCFT-E103J-000	RESISTOR-CARBON FILM T 1/5W 10Kohm 5%
R205	RCFT-E102J-000	RESISTOR-CARBON FILM T 1/5W 1Kohm 5%
R206	RCFT-E102J-000	RESISTOR-CARBON FILM T 1/5W 1Kohm 5%
R207	RCFT-E563J-000	RESISTOR-CARBON FILM T 1/5W 56Kohm 5%
R208	RCFT-E563J-000	RESISTOR-CARBON FILM T 1/5W 56Kohm 5%
R209	RCFT-E561J-000	RESISTOR-CARBON FILM T 1/5W 560ohm 5%
R210	RCFT-E561J-000	RESISTOR-CARBON FILM T 1/5W 560ohm 5%
R211	RCFT-E563J-000	RESISTOR-CARBON FILM T 1/5W 56Kohm 5%
R212	RCFT-E563J-000	RESISTOR-CARBON FILM T 1/5W 56Kohm 5%
R213	RCFT-G332J-020	RESISTOR-CARBON FILM T 1/2W 3.3Kohm 5%
R214	RCFT-G332J-020	RESISTOR-CARBON FILM T 1/2W 3.3Kohm 5%
R215	RCFT-G332J-020	RESISTOR-CARBON FILM T 1/2W 3.3Kohm 5%
R216	RCFT-G332J-020	RESISTOR-CARBON FILM T 1/2W 3.3Kohm 5%
R217	RCMS-JR22K-410	RESISTOR-CEMENT S 2W 0.22Kohm 10%
R218	RCMS-JR22K-410	RESISTOR-CEMENT S 2W 0.22Kohm 10%
R219	RCMS-E221J-000	RESISTOR-CARBON FILM T 1/5W 220ohm 5%
R220	RCFT-E221J-000	RESISTOR-CARBON FILM T 1/5W 220ohm 5%
R221	RCFT-E152J-000	RESISTOR-CARBON FILM T 1/5W 1.5Kohm 5%
R222	RCFT-E152J-000	RESISTOR-CARBON FILM T 1/5W 1.5kohm 5%
R223	RMOH-H100J-030	RESISTOR-METAL OXIDE H 1W 10ohm 5%
R224	RMOH-H100J-030	RESISTOR-METAL OXIDE H 1W 10ohm 5%
R225	RCFT-E683J-000	RESISTOR-CARBON FILM T 1/5W 68Kohm 5%
R226	RCFT-E683J-000	RESISTOR-CARBON FILM T 1/5W 68Kohm 5%
R227	RMOH-H100J-030	RESISTOR-METAL OXIDE H 1W 10ohm 5%
R228	RMOH-H100J-030	RESISTOR-METAL OXIDE H 1W 10ohm 5%
R229	RCFT-E472J-000	RESISTOR-CARBON FILM T 1/5W 4.7Kohm 5%
R230	RCFT-E472J-000	RESISTOR-CARBON FILM T 1/5W 4.7Kohm 5%
R231	RCFT-E472J-000	RESISTOR-CARBON FILM T 1/5W 4.7Kohm 5%
R232	RCFT-E472J-000	RESISTOR-CARBON FILM T 1/5W 4.7Kohm 5%
R233	RCFT-E103J-000	RESISTOR-CARBON FILM T 1/5W 10Kohm 5%
R234	RCFT-E103J-000	RESISTOR-CARBON FILM T 1/5W 10Kohm 5%
R235	RCFT-E4R7J-010	RESISTOR-CARBON FILM T 1/4W 4.7Kohm 5%
R236	RCFT-E4R7J-010	RESISTOR-CARBON FILM T 1/4W 4.7Kohm 5%
R237	RCFT-F102J-010	RESISTOR-CARBON FILM T 1/4W 1Kohm 5%
R238	RCFT-F102J-010	RESISTOR-CARBON FILM T 1/4W 1Kohm 5%
R239	RCFT-E103J-010	RESISTOR-CARBON FILM T 1/5W 10Kohm 5%
R240	RCFT-E103J-010	RESISTOR-CARBON FILM T 1/5W 10Kohm 5%
R241	RMOH-H102J-030	RESISTOR-METAL OXIDE T 1W 1Kohm 5%
R242	RMOH-H102J-030	RESISTOR-METAL OXIDE T 1W 1Kohm 5%
R244	RCFT-E103J-000	RESISTOR-CARBON FILM T 1/5W 10Kohm 5%
R245	RCFT-E124J-000	RESISTOR-CARBON FILM T 1/5W 120Kohm 5%
R246	RCFT-E623J-000	RESISTOR-CARBON FILM T 1/5W 62Kohm 5%
R247	RCFT-E393J-000	RESISTOR-CARBON FILM T 1/5W 39Kohm 5%
R248	RMOH-H152J-030	RESISTOR-METAL OXIDE H 1W 1.5Kohm 5%
R249	RCFT-E102J-000	RESISTOR-CARBON FILM T 1/5W 1Kohm 5%
R250	RCFT-E562J-000	RESISTOR-CARBON FILM T 1/5W 5.6Kohm 5%
R251	RFUM-F101J-120	RESISTOR-FUSIBLE T 1/4W 100Kohm 5%
R254	RCFT-E473J-000	RESISTOR-CARBON FILM T 1/5W 47ohm 5%
R255	RCFT-E103J-000	RESISTOR-CARBON FILM T 1/5W 10Kohm 5%
R256	RCFT-E103J-000	RESISTOR-CARBON FILM T 1/5W 10Kohm 5%
R257	RCFT-E472J-000	RESISTOR-CARBON FILM T 1/5W 4.7Kohm 5%
R258	RCFT-E751J-000	RESISTOR-CARBON FILM T 1/5W 750ohm 5%
R259	RCFT-E751J-000	RESISTOR-CARBON FILM T 1/5W 750ohm 5%

IV. PARTS LIST

Ref. No.	Part No.	Description
R260	RCFT-E102J-000	RESISTOR-CARBON FILM T 1/5W 1Kohm 5%
R261	RCFT-F2R2J-010	RESISTOR-CARBON FILM T 1/4W 2.2ohm 5%
R262	RCFT-E103J-000	RESISTOR-CARBON FILM T 1/5W 10Kohm 5%
R264	RCFT-E223J-000	RESISTOR-CARBON FILM T 1/5W 22Kohm 5%
R265	RFUM-F101J-120	RESISTOR-FUSIBLE M 1/4W 100ohm 5%
R267	RCFT-E224J-000	RESISTOR-CARBON FILM T 1/5W 220Kohm 5%
R268	RCFT-E224J-000	RESISTOR-CARBON FILM T 1/5W 220Kohm 5%
R401	RCFT-E472J-000	RESISTOR-CARBON FILM T 1/5W 4.7Kohm 5%
R402	RCFT-E472J-000	RESISTOR-CARBON FILM T 1/5W 4.7Kohm 5%
R403	RCFT-E224J-000	RESISTOR-CARBON FILM T 1/5W 220Kohm 5%
R405	RCFT-E751J-000	RESISTOR-CARBON FILM T 1/5W 750ohm 5%
R406	RCFT-E102J-000	RESISTOR-CARBON FILM T 1/5W 1Kohm 5%
R407	RCFT-E472J-000	RESISTOR-CARBON FILM T 1/5W 4.7Kohm 5%
R408	RCFT-E472J-000	RESISTOR-CARBON FILM T 1/5W 4.7Kohm 5%
R409	RCFT-E103J-000	RESISTOR-CARBON FILM T 1/5W 10Kohm 5%
R410	RCFT-E333J-000	RESISTOR-CARBON FILM T 1/5W 33Kohm 5%
R411	RCFT-E102J-000	RESISTOR-CARBON FILM T 1/5W 1Kohm 5%
R412	RCFT-E751J-000	RESISTOR-CARBON FILM T 1/5W 750ohm 5%
R501	RCFT-E103J-000	RESISTOR-CARBON FILM T 1/5W 10Kohm 5%
R502	RCFT-E103J-000	RESISTOR-CARBON FILM T 1/5W 10Kohm 5%
R503	RCFT-E563J-000	RESISTOR-CARBON FILM T 1/5W 56Kohm 5%
R504	RCFT-E563J-000	RESISTOR-CARBON FILM T 1/5W 56Kohm 5%
R505	RCFT-E272J-000	RESISTOR-CARBON FILM T 1/5W 2.7Kohm 5%
R506	RCFT-E272J-000	RESISTOR-CARBON FILM T 1/5W 2.7Kohm 5%
R507	RCFT-E272J-000	RESISTOR-CARBON FILM T 1/5W 2.7Kohm 5%
R508	RCFT-E272J-000	RESISTOR-CARBON FILM T 1/5W 2.7Kohm 5%
R509	RCFT-E392J-000	RESISTOR-CARBON FILM T 1/5W 3.9Kohm 5%
R510	RCFT-E392J-000	RESISTOR-CARBON FILM T 1/5W 3.9Kohm 5%
R511	RCFT-E181J-000	RESISTOR-CARBON FILM T 1/5W 180ohm 5%
R512	RCFT-E181J-000	RESISTOR-CARBON FILM T 1/5W 180ohm 5%
R513	RCFT-E222J-000	RESISTOR-CARBON FILM T 1/5W 2.2Kohm 5%
R514	RCFT-E222J-000	RESISTOR-CARBON FILM T 1/5W 2.2Kohm 5%
R515	RCFT-E331J-000	RESISTOR-CARBON FILM T 1/5W 330ohm 5%
R516	RCFT-E331J-000	RESISTOR-CARBON FILM T 1/5W 330ohm 5%
R517	RCFT-E821J-000	RESISTOR-CARBON FILM T 1/5W 820ohm 5%
R518	RCFT-E821J-000	RESISTOR-CARBON FILM T 1/5W 820ohm 5%
R519	RCFT-E393J-000	RESISTOR-CARBON FILM T 1/5W 39Kohm 5%
R520	RCFT-E393J-000	RESISTOR-CARBON FILM T 1/5W 39Kohm 5%
R521	RCFT-F101J-010	RESISTOR-CARBON FILM T 1/4W 100ohm 5%
R522	RCFT-F101J-010	RESISTOR-CARBON FILM T 1/4W 100ohm 5%
R901	RCFT-G332J-020	RESISTOR-CARBON FILM T 1/2W 3.3Kohm 5%
R902	RCFT-G332J-020	RESISTOR-CARBON FILM T 1/2W 3.3Kohm 5%
R903	RCFT-E102J-000	RESISTOR-CARBON FILM T 1/5W 1Kohm 5%
R904	RFUM-F2R2J-120	RESISTOR-FUSIBLE M 1/4W 2.2ohm 5%
R905	RCFT-E471J-000	RESISTOR-CARBON FILM T 1/5W 470ohm 5%
R906	RCFT-E100J-000	RESISTOR-CARBON FILM T 1/5W 10ohm 5%
R907	RCFT-E561J-020	RESISTOR-CARBON FILM T 1/5W 560ohm 5%
R908	RCFT-E473J-000	RESISTOR-CARBON FILM T 1/5W 47Kohm 5%
R911	RCFT-E103J-020	RESISTOR-CARBON FILM T 1/5W 10Kohm 5%
R912	RCFT-E103J-020	RESISTOR-CARBON FILM T 1/5W 10Kohm 5%
R913	RCFT-E103J-020	RESISTOR-CARBON FILM T 1/5W 10Kohm 5%
R914	RMOH-J121J-040	RESISTOR-METAL OXIDE H 2W 120ohm 5%
R915	RMOH-J151J-040	RESISTOR-METAL OXIDE H 2W 150ohm 5%
R916	RCFT-E473J-000	RESISTOR-CARBON FILM T 1/5W 47Kohm 5%
R917	RCFT-E103J-020	RESISTOR-CARBON FILM T 1/5W 10Kohm 5%
R918	RCFT-E473J-020	RESISTOR-CARBON FILM T 1/5W 47Kohm 5%
R919	RCFT-E103J-020	RESISTOR-CARBON FILM T 1/5W 10Kohm 5%
R920	RCFT-E473J-020	RESISTOR-CARBON FILM T 1/5W 47Kohm 5%
R925	RCFT-E1R0J-010	RESISTOR-CARBON FILM T 1/4W 1ohm 5%
SUB P/T	PTAD-00970-4BK	TRANSFORMER-POWER A41-097BX-K 41mm 110/220KS
VR302	VRAD-D026W-104	VR-ROTARY RK16K1150-100KW
VR401	VRAD-D027W-503	VR-ROTARY RK16K1110-50KB
Z401	SKPH-00320-660	SOCKET-PHONE HTJ064-03EG GOLD
Z601	SKPH-00330-6C0	SOCKET-PHONE (GOLD) HTJ064-03BG 6.3 12.5mm
Z901	ESRY-00110-121	RELAY JW1AFSN DC12V
Z902	SWVS-00080-Z5K	SWITCH-VOLTAGE SEL 00220023 250V 5A KS
Z903	TESP-00010-08P	TERMINAL SPEAKER AU8-2021
Z905	VSTH-00010-503	THERMISTOR KT5D54E-C0247
Z9065	KNCW-00380-7S0	CONNECTOR WAFER CFG1107-0101 1.5mm 7P
Z907	KNCW-00380-9S0	CONNECTOR WAFER CFG1109-0101 1.5mm 9P

Ref. No.	Part No.	Description
Z908	KNCW-00380-BS0	CONNECTOR WAFER CFG1111-0101 1.5mm 11P
Z909	ESRY-00010-120	RELAY HR-703V DC 12V

7. AMP FRONT P.C BOARD

Ref. No.	Part No.	Description
C301	CCTT-J101J-0CZ	CAPACITOR CERAMIC T 50V 100PF J SL
C302	CCTT-J101J-0CZ	CAPACITOR CERAMIC T 50V 100PF J SL
C303	CCTT-J101J-0CZ	CAPACITOR CERAMIC T 50V 100PF J SL
C304	CCTT-J101J-0CZ	CAPACITOR CERAMIC T 50V 100PF J SL
C305	CCTT-J101J-0CZ	CAPACITOR CERAMIC T 50V 100PF J SL
C306	CCTT-J101J-0CZ	CAPACITOR CERAMIC T 50V 100PF J SL
C307	CCTT-J101J-0CZ	CAPACITOR CERAMIC T 50V 100PF J SL
C308	CCTT-J101J-0CZ	CAPACITOR CERAMIC T 50V 100PF J SL
C309	CCTT-J101J-0CZ	CAPACITOR CERAMIC T 50V 100PF J SL
C310	CCTT-J101J-0CZ	CAPACITOR CERAMIC T 50V 100PF J SL
C311	CCTT-J101J-0CZ	CAPACITOR CERAMIC T 50V 100PF J SL
C312	CCTT-J101J-0CZ	CAPACITOR CERAMIC T 50V 100PF J SL
C313	CEET-J4R7M-CI0	CAPACITOR E/ALUMINUM T 50V 4.7μF M 5×11
C314	CEET-J4R7M-CI0	CAPACITOR E/ALUMINUM T 50V 4.7μF M 5×11
C315	CEET-J4R7M-CI0	CAPACITOR E/ALUMINUM T 50V 4.7μF M 5×11
C316	CEET-J4R7M-CI0	CAPACITOR E/ALUMINUM T 50V 4.7μF M 5×11
C317	CEET-G100M-CI0	CAPACITOR E/ALUMINUM T 35V 10μF M 5×11
C318	CEET-G100M-CI0	CAPACITOR E/ALUMINUM T 35V 10μF M 5×11
C319	CEET-J3R3M-CI0	CAPACITOR E/ALUMINUM T 50V 3.3μF M 5×11
C320	CEET-J3R3M-CI0	CAPACITOR E/ALUMINUM T 50V 3.3μF M 5×11
C321	CEET-JR22M-CI0	CAPACITOR E/ALUMINUM T 50V 0.22μF M 5×11
C322	CEET-JR22M-CI0	CAPACITOR E/ALUMINUM T 50V 0.22μF M 5×11
C323	CEET-J1R0M-CI0	CAPACITOR E/ALUMINUM T 50V 1.0μF M 5×11
C324	CEET-J1R0M-CI0	CAPACITOR E/ALUMINUM T 50V 1.0μF M 5×11
C325	CFMT-N683J-HK0	CAPACITOR F/POLYESTR T 100V 0.068μF J 9.9×14
C326	CFMT-N683J-HK0	CAPACITOR F/POLYESTR T 100V 0.068μF J 9.9×14
C327	CEET-JR47M-CI0	CAPACITOR E/ALUMINUM T 50V 0.47μF M 5×11
C328	CEET-JR47M-CI0	CAPACITOR E/ALUMINUM T 50V 0.47μF M 5×11
C329	CFMT-N333J-FK0	CAPACITOR F/POLYESTR T 100V 0.033μF J 8.1×13
C330	CFMT-N333J-FK0	CAPACITOR F/POLYESTR T 100V 0.033μF J 8.1×13
C331	CFMS-N184J-KN0	CAPACITOR F/POLYESTR S 100V 0.18μF J 13×19.5
C332	CFMS-N184J-KN0	CAPACITOR F/POLYESTR S 100V 0.18μF J 13×19.5
C333	CFMT-N153J-EK0	CAPACITOR F/POLYESTR T 100V 0.015μF J 7.1×13
C334	CFMT-N153J-EK0	CAPACITOR F/POLYESTR T 100V 0.015μF J 7.1×13
C335	CFMT-N683J-HK0	CAPACITOR F/POLYESTR T 100V 0.068μF J 9.9×14
C336	CFMT-N683J-HK0	CAPACITOR F/POLYESTR T 100V 0.068μF J 9.9×14
C337	CFMT-N562J-DJ0	CAPACITOR F/POLYESTR T 100V 0.0056μF J 5.8×12
C338	CFMT-N562J-DJ0	CAPACITOR F/POLYESTR T 100V 0.0056μF J 5.8×12
C339	CFMT-N273J-FK0	CAPACITOR F/POLYESTR T 100V 0.027μF J 7.8×13
C340	CFMT-N273J-FK0	CAPACITOR F/POLYESTR T 100V 0.027μF J 7.8×13
C341	CFMT-N222J-CJ0	CAPACITOR F/POLYESTR T 100V 0.0022μF J 5.5×12
C342	CFMT-N222J-CJ0	CAPACITOR F/POLYESTR T 100V 0.0022μF J 5.5×12
C343	CFMT-N103J-EK0	CAPACITOR F/POLYESTR T 100V 0.010μF J 6.8×13
C344	CFMT-N103J-EK0	CAPACITOR F/POLYESTR T 100V 0.010μF J 6.8×13
C345	CFSW-0911J-DK0	CAPACITOR F/STYROL W 125V 910PF J 6.5×13
C346	CFSW-0911J-DK0	CAPACITOR F/STYROL W 125V 910PF J 6.5×13
C347	CFMT-N392J-DJ0	CAPACITOR F/POLYESTR T 100V 0.0039μF J 5.8×12
C348	CFMT-N392J-DJ0	CAPACITOR F/POLYESTR T 100V 0.0039μF J 5.8×12
C349	CCTT-J221J-0DZ	CAPACITOR CERAMIC T 50V 220F J SL
C350	CCTT-J221J-0DZ	CAPACITOR CERAMIC T 50V 220PF J SL
C351	CEET-G100M-CI0	CAPACITOR E/ALUMINUM T 35V 10μF M 5×11
C352	CEET-G100M-CI0	CAPACITOR E/ALUMINUM T 35V 10μF M 5×11
C353	CEET-F220M-CI0	CAPACITOR E/ALUMINUM T 25V 22μF M 5×11
C354	CEET-F220M-CI0	CAPACITOR E/ALUMINUM T 25V 22μF M 5×11
C355	CEET-J1ROM-CI0	CAPACITOR E/ALUMINUM T 50V 1.0μF M 5×11
C356	CEET-J1ROM-CI0	CAPACITOR E/ALUMINUM T 50V 1.0μF M 5×11
C357	CEET-F470M-CI0	CAPACITOR E/ALUMINUM T 25V 47μF M 5×11
C358	CCTT-J223Z-0FF	CAPACITOR CERAMIC T 50V 0.022μF Z F
C359	CEET-F470M-CI0	CAPACITOR E/ALUMINUM T 25V 47μF M 5×11
C360	CCTT-J223Z-0FF	CAPACITOR CERAMIC T 50V 0.022μF Z F
C361	CEET-J2R2M-CI0	CAPACITOR E/ALUMINUM T 50V 2.2μF M 5×11
C362	CCTT-J223Z-0FF	CAPACITOR CERAMIC T 50V 0.022μF Z F
C363	CCTT-J223Z-0FF	CAPACITOR CERAMIC T 50V 0.022μF Z F

Ref. No.	Part No.	Description
C364	CEET-F220M-CI0	CAPACITOR E/ALUMINUM T 25V 22μF M 5×11
C365	CFMT-N823J-IJ0	CAPACITOR F/POLYESTR T 50V 0.082μF J 11×12
C366	CEET-G100M-CI0	CAPACITOR E/ALUMINUM T 35V 10μF M 5×11
C367	CEET-F220M-CI0	CAPACITOR E/ALUMINUM T 25V 22μF M 5×11
C368	CCCT-J223Z-0FF	CAPACITOR CERAMIC T 50V 0.022μF Z F
C369	CEET-F220M-CI0	CAPACITOR E/ALUMINUM T 25V 22μF M 5×11
C370	CEET-F220M-CI0	CAPACITOR E/ALUMINUM T 25V 22μF M 5×11
C371	CEET-F220M-CI0	CAPACITOR E/ALUMINUM T 25V 22μF M 5×11
C372	CEET-F220M-CI0	CAPACITOR E/ALUMINUM T 25V 22μF M 5×11
C373	CEET-JR47M-CI0	CAPACITOR E/ALUMINUM T 50V 0.47μF M 5×11
C374	CEET-JR47M-CI0	CAPACITOR E/ALUMINUM T 50V 0.47μF M 5×11
C375	CEET-F220M-CI0	CAPACITOR E/ALUMINUM T 25V 22μF M 5×11
C377	CCTT-J181J-0DZ	CAPACITOR CERAMIC T 50V 180PF J SL
C378	CCTT-J181J-0DZ	CAPACITOR CERAMIC T 50V 180PF J SL
C379	CEET-G100M-CI0	CAPACITOR E/ALUMINUM T 35V 10μF M 5×11
C410	CCCT-J223Z-0FF	CAPACITOR CERAMIC T 50V 0.022μF Z F
C412	CFMT-N104J-JK0	CAPACITOR F/POLYESTR T 100V 0.10μF M 12.1×14
C413	CFMT-N682J-DJ0	CAPACITOR F/POLYESTR T 100V 0.0068μF M 5.8×12
C414	CFMT-N104J-JK0	CAPACITOR F/POLYESTR T 100V 0.10μF J 12.1×14
C415	CCCT-J104Z-0FF	CAPACITOR CERAMIC T 50V 0.1μF Z F
C416	CEET-J4R7M-CI0	CAPACITOR E/ALUMINUM T 50V 4.7μF M 5×11
C417	CCCT-J681K-0BB	CAPACITOR CERAMIC T 50V 680PF K B
C418	CFMT-N104J-JK0	CAPACITOR F/POLYESTR T 100V 0.10μF J 12.1×14
C419	CEET-F470M-CI0	CAPACITOR E/ALUMINUM T 25V 47μF M 5×11
C420	CCTT-J270J-0BZ	CAPACITOR CERAMIC T 50V 27PF J SL
C421	CCTT-J270J-0BZ	CAPACITOR CERAMIC T 50V 27PF J SL
C422	CCTT-J104Z-0FF	CAPACITOR CERAMIC T 50V 0.1μF Z F
C423	CCTT-J473Z-0JF	CAPACITOR CERAMIC T 50V 0.047μF Z F
C424	CCTT-J473Z-0JF	CAPACITOR CERAMIC T 50V 0.047μF Z F
C425	CCTT-J104Z-0FF	CAPACITOR CERAMIC T 50V 0.1μF Z F
C426	CEET-J1R0M-CI0	CAPACITOR E/ALUMINUM T 50V 1.0μF M 5×11
C427	CFMT-N182J-CE0	CAPACITOR F/POLYESTR T 50V 0.0018μF J 5.5×7
C428	CEET-G100M-CI0	CAPACITOR E/ALUMINUM T 35V 10μF M 5×11
C603	CFMT-N104J-JK0	CAPACITOR F/POLYESTR T 100V 0.10μF J 12.1×14
C604	CFMT-N104J-JK0	CAPACITOR F/POLYESTR T 100V 0.10μF J 12.1×14
C605	CEET-D101M-CI0	CAPACITOR E/ALUMINUM T 10V 100μF M 5×11
C606	CEET-D101M-CI0	CAPACITOR E/ALUMINUM T 10V 100μF M 5×11
C607	CEET-C471M-FI1	CAPACITOR E/ALUMINUM T 6.3V 470μF M 8×11.5 U
C608	CEET-C471M-FI1	CAPACITOR E/ALUMINUM T 6.3V 470μF M 8×11.5 U
C609	CEET-JR47M-CI0	CAPACITOR E/ALUMINUM T 50V 0.47μF M 5×11
C610	CEET-D221M-DI0	CAPACITOR E/ALUMINUM T 10V 220μF M 6.3×11
C611	CEET-JR10M-CI0	CAPACITOR E/ALUMINUM T 50V 0.1μF M 5×11
C701	CEET-J4R7M-CI0	CAPACITOR E/ALUMINUM T 50V 4.7μF M 5×11
C702	CEET-J4R7M-CI0	CAPACITOR E/ALUMINUM T 50V 4.7μF M 5×11
C703	CCTT-J331J-0FZ	CAPACITOR CERAMIC T 50V 330PF J SL
C704	CCTT-J331J-0FZ	CAPACITOR CERAMIC T 50V 330PF J SL
C705	CEET-D101M-CI0	CAPACITOR E/ALUMINUM T 10V 100μF M 5×11
C706	CEET-D101M-CI0	CAPACITOR E/ALUMINUM T 10V 100μF M 5×11
C707	CCCT-J102K-0BB	CAPACITOR CERAMIC T 50V 1000PF K B
C708	CCCT-J102K-0BB	CAPACITOR CERAMIC T 50V 1000PF K B
C709	CFMT-N123J-EK0	CAPACITOR F/POLYESTR T 100V 0.012μF J 7.0×13
C710	CFMT-N123J-EK0	CAPACITOR F/POLYESTR T 100V 0.012μF J 7.0×13
C711	CFMT-N332J-DJ0	CAPACITOR F/POLYESTR T 100V 0.0033μF J 5.8×12
C712	CFMT-N332J-DJ0	CAPACITOR F/POLYESTR T 100V 0.0033μF J 5.8×12
C713	CEET-J4R7M-CI0	CAPACITOR E/ALUMINUM T 50V 4.7μF M 5×11
C714	CEET-J4R7M-CI0	CAPACITOR E/ALUMINUM T 50V 4.7μF M 5×11
C716	CEET-F220M-CI0	CAPACITOR E/ALUMINUM T 25V 22μF M 5×11
C717	CEET-F220M-CI0	CAPACITOR E/ALUMINUM T 25V 22μF M 5×11
C801	CEET-F220M-CI0	CAPACITOR E/ALUMINUM T 25V 22μF M 5×11
C802	CEET-J2R2M-CI0	CAPACITOR E/ALUMINUM T 50V 2.2μF M 5×11
C803	CCTT-J150J-0BZ	CAPACITOR CERAMIC T 50V 15PF J SL
C804	CCTT-J150J-0BZ	CAPACITOR CERAMIC T 50V 15PF J SL
C805	CEGS-B104Z-JC0	CAPACITOR E/DO LAYER S 5.5V 0.1F Z 12.5×5.5 H
C806	CEET-G100M-CI0	CAPACITOR E/ALUMINUM T 35V 10μF M 5×11
C807	CEET-G100M-CI0	CAPACITOR E/ALUMINUM T 35V 10μF M 5×11
C808	CCAT-F223Z-AAF	CAPACITOR CERAMIC T 25V 0.022μF Z F
C809	CEET-J4R7M-CI0	CAPACITOR E/ALUMINUM T 50V 4.7μF M 5×11
C810	CCCT-J102K-0BB	CAPACITOR CERAMIC T 50V 1000PF K B

IV. PARTS LIST

Ref. No.	Part No.	Description
C907	CEET-F220M-CI0	CAPACITOR E/ALUMINUM T 25V 22μF M 5×11
C908	CEET-J4R7M-CI0	CAPACITOR E/ALUMINUM T 50V 4.7μF M 5×11
C928	CCCT-J223Z-0FF	CAPACITOR CERAMIC T 50V 0.022μF Z F
C929	CCAT-F223Z-AAF	CAPACITOR CERAMIC T 25V 0.022μF Z F
C952	CEET-JR15M-CI0	CAPACITOR E/ALUMINUM T 50V 0.15μF M 5×11
D301	DDTZ-G075B-SO0	DIODE ZENER T DO-40 MTZ7.5B 7.07-7.45
D302	DDTZ-G075B-SO0	DIODE ZENER T DO-40 MTZ7.5B 7.07-7.45
D303	DDTZ-G056B-SO0	DIODE ZENER T DO-40 MTZ5.6B 5.45-5.73
D402	DDTS-00060-SO0	DIODE-SI T DO-40 1SS131 (90V 0.13A)
D601	DDTZ-G056B-SO0	DIODE ZENER T DO-40 MTZ5.6B 5.45-5.73
D801	DDTS-00060-SO0	DIODE-SI T DO-40 1SS131 (90V 0.13A)
D802	DDTS-00060-SO0	DIODE-SI T DO-40 1SS131 (90V 0.13A)
D803	DDTS-00060-SO0	DIODE-SI T DO-40 1SS131 (90V 0.13A)
D804	DDTS-00060-SO0	DIODE-SI T DO-40 1SS131 (90V 0.13A)
D805	DDTS-00060-SO0	DIODE-SI T DO-40 1SS131 (90V 0.13A)
D806	DDTS-00060-SO0	DIODE-SI T DO-40 1SS131 (90V 0.13A)
D807	DDTS-00060-SO0	DIODE-SI T DO-40 1SS131 (90V 0.13A)
D808	DDTS-00060-SO0	DIODE-SI T DO-40 1SS131 (90V 0.13A)
D809	DDTS-00060-SO0	DIODE-SI T DO-40 1SS131 (90V 0.13A)
D810	DDTS-00060-SO0	DIODE-SI T DO-40 1SS131 (90V 0.13A)
D811	DDTS-00060-SO0	DIODE-SI T DO-40 1SS131 (90V 0.13A)
D812	DDTS-00060-SO0	DIODE-SI T DO-40 1SS131 (90V 0.13A)
D813	DDTZ-G056B-SO0	DIODE ZENER T DO-40 MTZ5.6B 5.45-5.73
D814	DDTZ-G056B-SO0	DIODE ZENER T DO-40 MTZ5.6B 5.45-5.73
D815	DDTS-00060-SO0	DIODE-SI T DO-40 1SS131 (90V 0.13A)
D816	DDTS-00060-SO0	DIODE-SI T DO-40 1SS131 (90V 0.13A)
D817	DDTS-00060-SO0	DIODE-SI T DO-40 1SS131 (90V 0.13A)
D818	DDTS-00060-SO0	DIODE-SI T DO-40 1SS131 (90V 0.13A)
D819	DDTS-00060-SO0	DIODE-SI T DO-40 1SS131 (90V 0.13A)
D921	DDTZ-G068B-SO0	DIODE ZENER T DO-40 MTZ6.8B 6.49-6.83
IC301	ICDG-00610-S10	IC FUNCTION SELECTOR DIP30S LC7822
IC302	ICOP-00050-S50	IC QUAD OP AMP DIP14 AN6554
IC303	ICCM-20390-SG0	IC ELECTRONIC VOLUME SDIP28 NJU7305
IC304	ICLN-00710-S90	IC 7BAND EQ DIP20 M5229P
IC305	ICLN-00710-S90	IC 7BAND EQ DIP20 M5229P

Ref. No.	Part No.	Description
IC306	ICOP-00131-SE0	IC DUAL OP AMP DIP 8 KA4558C
IC307	ICOP-00134-SG0	IC DUAL OP AMP SOP 8 NJM4558M
IC402	ICLN-00290-S90	IC DUAL COMPARATORS SIP 8 M5233L
IC403	ICDG-00420-S90	IC DIGITAL ECO 3694E DIP 36 M50195P
IC404	ICDG-00410-SE0	IC DRAM PAGE MODE DIP16 KM4164B-15 64K×1BIT
IC601	ICAP-00090-SD0	IC AMP-POWER SIP9 KIA6276S 0.3W×2
IC701	ICOP-00131-SE0	IC DUAL OP AMP DIP 8 KA4558C
IC801	ICMP-00720-SA0	IC UCOMPUTER QFP80B HD404719A36FS
IC802	ICOP-00210-SD0	IC RESET TO-92 KIA7042P/F 4.2V
IC804	ICCM-20350-TQ0	IC GRAPHIC EQ FILTER DIP 16 XR-1091
IC903	ICDG-00560-SO0	IC MOTOR DRIVER SIP 9 BA6208
J301	SKRC-00310-060	SOCKET-RCA JK0600920N 6P
LD901	DPLT-00091-UU1	DOT-LED SLC-22UR-5 ORG R2
MR001	MRAG-09150-004	CUSHION-FLD
MR002	MRAG-09150-004	CUSHION-FLD
Q301	TRTC-00200-SD0	TRANSISTOR N-L FREQ TO92 KTD-1302
Q303	TRTC-0060E-SOS	TRANSISTOR N-H FREQ TO92M DTC144E-S
Q304	TRTC-0016G-SD0	TRANSISTOR N-H FREQ TO92 KTC3198-GR
Q601	TRTC-0016G-SD0	TRANSISTOR N-H FREQ TO92 KTC3198-GR
Q602	TRTC-0016G-SD0	TRANSISTOR N-H FREQ TO92 KTC3198-GR
Q801	TRTC-0016G-SD0	TRANSISTOR N-H FREQ TO92 KTC3198-GR
Q802	TRTA-0008G-SD0	TRANSISTOR P-H FREQ TO92 KTA1266-GR
Q803	TRTC-0016G-SD0	TRANSISTOR N-H FREQ TO92 KTC3198-GR
Q804	TRTC-0016G-SD0	TRANSISTOR N-H FREQ TO92 KTC3198-GR
Q909	TRTC-0016E-SOS	TRANSISTOR N-H FREQ TO92M DTC124E-S
Q910	TRTC-0016E-SOS	TRANSISTOR N-H FREQ TO92M DTC124E-S
Q911	TRTC-0008Y-SD0	TRANSISTOR N-H FREQ TO92 KTC2120-Y
R301	RCFT-E223J-000	RESISTOR-CARBON FILM T 1/5W 22Kohm 5%
R302	RCFT-E223J-000	RESISTOR-CARBON FILM T 1/5W 22Kohm 5%
R303	RCFT-E104J-000	RESISTOR-CARBON FILM T 1/5W 100Kohm 5%
R304	RCFT-E104J-000	RESISTOR-CARBON FILM T 1/5W 100Kohm 5%
R305	RCFT-E223J-000	RESISTOR-CARBON FILM T 1/5W 22Kohm 5%
R306	RCFT-E223J-000	RESISTOR-CARBON FILM T 1/5W 22Kohm 5%
R307	RCFT-E104J-000	RESISTOR-CARBON FILM T 1/5W 100Kohm 5%
R308	RCFT-E104J-000	RESISTOR-CARBON FILM T 1/5W 100Kohm 5%
R309	RCFT-E223J-000	RESISTOR-CARBON FILM T 1/5W 22Kohm 5%

IV. PARTS LIST

Ref. No.	Part No.	Description
R310	RCFT-E223J-000	RESISTOR-CARBON FILM T 1/5W 22Kohm 5%
R311	RCFT-E104J-000	RESISTOR-CARBON FILM T 1/5W 100Kohm 5%
R312	RCFT-E104J-000	RESISTOR-CARBON FILM T 1/5W 100Kohm 5%
R313	RCFT-E473J-000	RESISTOR-CARBON FILM T 1/5W 47Kohm 5%
R314	RCFT-E473J-000	RESISTOR-CARBON FILM T 1/5W 47Kohm 5%
R315	RCFT-E333J-000	RESISTOR-CARBON FILM T 1/5W 33Kohm 5%
R316	RCFT-E333J-000	RESISTOR-CARBON FILM T 1/5W 33Kohm 5%
R317	RCFT-E223J-000	RESISTOR-CARBON FILM T 1/5W 22Kohm 5%
R318	RCFT-E223J-000	RESISTOR-CARBON FILM T 1/5W 22Kohm 5%
R319	RCFT-E104J-000	RESISTOR-CARBON FILM T 1/5W 100Kohm 5%
R320	RCFT-E104J-000	RESISTOR-CARBON FILM T 1/5W 100Kohm 5%
R321	RCFT-E104J-000	RESISTOR-CARBON FILM T 1/5W 100Kohm 5%
R322	RCFT-E104J-000	RESISTOR-CARBON FILM T 1/5W 100Kohm 5%
R323	RCFT-E273J-000	RESISTOR-CARBON FILM T 1/5W 27Kohm 5%
R324	RCFT-E273J-000	RESISTOR-CARBON FILM T 1/5W 27Kohm 5%
R325	RCFT-E103J-000	RESISTOR-CARBON FILM T 1/5W 10Kohm 5%
R326	RCFT-E103J-000	RESISTOR-CARBON FILM T 1/5W 10Kohm 5%
R327	RCFT-E273J-000	RESISTOR-CARBON FILM T 1/5W 27Kohm 5%
R328	RCFT-E273J-000	RESISTOR-CARBON FILM T 1/5W 27Kohm 5%
R329	RCFT-E273J-000	RESISTOR-CARBON FILM T 1/5W 27Kohm 5%
R330	RCFT-E273J-000	RESISTOR-CARBON FILM T 1/5W 27Kohm 5%
R331	RCFT-E103J-000	RESISTOR-CARBON FILM T 1/5W 10Kohm 5%
R332	RCFT-E103J-000	RESISTOR-CARBON FILM T 1/5W 10Kohm 5%
R333	RCFT-E223J-000	RESISTOR-CARBON FILM T 1/5W 22Kohm 5%
R334	RCFT-E223J-000	RESISTOR-CARBON FILM T 1/5W 22Kohm 5%
R335	RCFT-E223J-000	RESISTOR-CARBON FILM T 1/5W 22Kohm 5%
R336	RCFT-E223J-000	RESISTOR-CARBON FILM T 1/5W 22Kohm 5%
R337	RCFT-E223J-000	RESISTOR-CARBON FILM T 1/5W 22Kohm 5%
R338	RCFT-E393J-000	RESISTOR-CARBON FILM T 1/5W 39Kohm 5%
R339	RCFT-E393J-000	RESISTOR-CARBON FILM T 1/5W 39Kohm 5%
R340	RCFT-E391J-000	RESISTOR-CARBON FILM T 1/5W 390ohm 5%
R341	RCFT-E473J-000	RESISTOR-CARBON FILM T 1/5W 47Kohm 5%
R342	RCFT-E102J-000	RESISTOR-CARBON FILM T 1/5W 1Kohm 5%
R343	RCFT-E101J-000	RESISTOR-CARBON FILM T 1/5W 100ohm 5%

Ref. No.	Part No.	Description
R344	RCFT-E101J-000	RESISTOR-CARBON FILM T 1/5W 100ohm 5%
R345	RCFT-E103J-000	RESISTOR-CARBON FILM T 1/5W 10Kohm 5%
R346	RCFT-E103J-000	RESISTOR-CARBON FILM T 1/5W 10Kohm 5%
R347	RCFT-E152J-000	RESISTOR-CARBON FILM T 1/5W 1.5Kohm 5%
R348	RCFT-E751J-000	RESISTOR-CARBON FILM T 1/5W 750Kohm 5%
R349	RCFT-E752J-000	RESISTOR-CARBON FILM T 1/5W 7.5Kohm 5%
R350	RCFT-E752J-000	RESISTOR-CARBON FILM T 1/5W 7.5Kohm 5%
R351	RCFT-E752J-000	RESISTOR-CARBON FILM T 1/5W 7.5Kohm 5%
R352	RCFT-E752J-000	RESISTOR-CARBON FILM T 1/5W 7.5Kohm 5%
R353	RCFT-E101J-000	RESISTOR-CARBON FILM T 1/5W 100ohm 5%
R354	RCFT-E101J-000	RESISTOR-CARBON FILM T 1/5W 100ohm 5%
R355	RCFT-E681J-000	RESISTOR-CARBON FILM T 1/5W 680ohm 5%
R356	RCFT-E681J-000	RESISTOR-CARBON FILM T 1/5W 680ohm 5%
R357	RCFT-E223J-000	RESISTOR-CARBON FILM T 1/5W 22Kohm 5%
R358	RCFT-E223J-000	RESISTOR-CARBON FILM T 1/5W 22Kohm 5%
R359	RCFT-E473J-000	RESISTOR-CARBON FILM T 1/5W 47Kohm 5%
R360	RCFT-E473J-000	RESISTOR-CARBON FILM T 1/5W 47Kohm 5%
R361	RCFT-E102J-000	RESISTOR-CARBON FILM T 1/5W 1Kohm 5%
R362	RCFT-E102J-000	RESISTOR-CARBON FILM T 1/5W 1Kohm 5%
R363	RCFT-E473J-000	RESISTOR-CARBON FILM T 1/5W 47Kohm 5%
R364	RCFT-E473J-000	RESISTOR-CARBON FILM T 1/5W 47Kohm 5%
R365	RCFT-E103J-000	RESISTOR-CARBON FILM T 1/5W 10Kohm 5%
R366	RCFT-E103J-000	RESISTOR-CARBON FILM T 1/5W 10Kohm 5%
R367	RCFT-E101J-000	RESISTOR-CARBON FILM T 1/5W 100ohm 5%
R368	RCFT-E101J-000	RESISTOR-CARBON FILM T 1/5W 100ohm 5%
R369	RCFT-E472J-000	RESISTOR-CARBON FILM T 1/5W 4.7Kohm 5%
R371	RCFT-E102J-000	RESISTOR-CARBON FILM T 1/5W 1Kohm 5%
R372	RCFT-E102J-000	RESISTOR-CARBON FILM T 1/5W 1Kohm 5%
R373	RCFT-E682J-000	RESISTOR-CARBON FILM T 1/5W 6.8Kohm 5%
R374	RCFT-E682J-000	RESISTOR-CARBON FILM T 1/5W 6.8Kohm 5%
R375	RCFT-E473J-000	RESISTOR-CARBON FILM T 1/5W 47Kohm 5%
R376	RCFT-E473J-000	RESISTOR-CARBON FILM T 1/5W 47Kohm 5%
R377	RCFT-E223J-000	RESISTOR-CARBON FILM T 1/5W 22Kohm 5%
R378	RCFT-E101J-000	RESISTOR-CARBON FILM T 1/5W 100ohm 5%

IV. PARTS LIST

Ref. No.	Part No.	Description
R379	RCFT-E101J-000	RESISTOR-CARBON FILM T 1/5W 100ohm 5%
R414	RCFT-E330J-000	RESISTOR-CARBON FILM T 1/5W 33ohm 5%
R415	RCFT-E472J-000	RESISTOR-CARBON FILM T 1/5W 4.7Kohm 5%
R416	RCFT-E223J-000	RESISTOR-CARBON FILM T 1/5W 22Kohm 5%
R417	RCFT-E152J-000	RESISTOR-CARBON FILM T 1/5W 1.5Kohm 5%
R418	RCFT-E223J-000	RESISTOR-CARBON FILM T 1/5W 22Kohm 5%
R419	RCFT-E123J-000	RESISTOR-CARBON FILM T 1/5W 12Khm 5%
R420	RCFT-E102J-000	RESISTOR-CARBON FILM T 1/5W 1Kohm 5%
R421	RCFT-E101J-000	RESISTOR-CARBON FILM T 1/5W 100ohm 5%
R422	RCFT-E100J-000	RESISTOR-CARBON FILM T 1/5W 10ohm 5%
R423	RCFT-E105J-000	RESISTOR-CARBON FILM T 1/5W 1Kohm 5%
R424	RCFT-E103J-000	RESISTOR-CARBON FILM T 1/5W 10Kohm 5%
R425	RCFT-E101J-000	RESISTOR-CARBON FILM T 1/5W 100ohm 5%
R426	RCFT-E103J-000	RESISTOR-CARBON FILM T 1/5W 10Kohm 5%
R427	RCFT-E103J-000	RESISTOR-CARBON FILM T 1/5W 10Kohm 5%
R428	RCFT-E103J-000	RESISTOR-CARBON FILM T 1/5W 10Kohm 5%
R601	RCFT-E183J-000	RESISTOR-CARBON FILM T 1/5W 18Kohm 5%
R602	RCFT-E183J-000	RESISTOR-CARBON FILM T 1/5W 18Kohm 5%
R603	RCFT-E102J-000	RESISTOR-CARBON FILM T 1/5W 1Kohm 5%
R604	RCFT-E102J-000	RESISTOR-CARBON FILM T 1/5W 1Kohm 5%
R605	RCFT-E2R2J-000	RESISTOR-CARBON FILM T 1/5W 2.2ohm 5%
R606	RCFT-E2R2J-000	RESISTOR-CARBON FILM T 1/5W 2.2ohm 5%
R607	RCFT-E751J-000	RESISTOR-CARBON FILM T 1/5W 750ohm 5%
R608	RCFT-E104J-000	RESISTOR-CARBON FILM T 1/5W 100Kohm 5%
R611	RCFT-E681J-000	RESISTOR-CARBON FILM T 1/5W 680ohm 5%
R612	RCFT-E681J-000	RESISTOR-CARBON FILM T 1/5W 680ohm 5%
R613	RCFT-E332J-000	RESISTOR-CARBON FILM T 1/5W 3.3Kohm 5%
R614	RCFT-E332J-000	RESISTOR-CARBON FILM T 1/5W 3.3Kohm 5%
R701	RCFT-E471J-000	RESISTOR-CARBON FILM T 1/5W 470ohm 5%
R702	RCFT-E471J-000	RESISTOR-CARBON FILM T 1/5W 470ohm 5%
R703	RCFT-E473J-000	RESISTOR-CARBON FILM T 1/5W 47Kohm 5%
R704	RCFT-E473J-000	RESISTOR-CARBON FILM T 1/5W 47Kohm 5%
R705	RCFT-E561J-000	RESISTOR-CARBON FILM T 1/5W 560ohm 5%
R706	RCFT-E561J-000	RESISTOR-CARBON FILM T 1/5W 560ohm 5%
R707	RCFT-E274J-000	RESISTOR-CARBON FILM T 1/5W 270ohm 5%
R708	RCFT-E274J-000	RESISTOR-CARBON FILM T 1/5W 270ohm 5%
R709	RCFT-E223J-000	RESISTOR-CARBON FILM T 1/5W 22Kohm 5%
R710	RCFT-E223J-000	RESISTOR-CARBON FILM T 1/5W 22Kohm 5%
R711	RCFT-E104J-000	RESISTOR-CARBON FILM T 1/5W 100Kohm 5%
R712	RCFT-E104J-000	RESISTOR-CARBON FILM T 1/5W 100Kohm 5%
R713	RCFT-E123J-000	RESISTOR-CARBON FILM T 1/5W 12Kohm 5%
R714	RCFT-E123J-000	RESISTOR-CARBON FILM T 1/5W 12Kohm 5%
R715	RCFT-E101J-000	RESISTOR-CARBON FILM T 1/5W 100ohm 5%
R716	RCFT-E101J-000	RESISTOR-CARBON FILM T 1/5W 100ohm 5%
R801	RCFT-E473J-000	RESISTOR-CARBON FILM T 1/5W 47Kohm 5%
R802	RCFT-E103J-000	RESISTOR-CARBON FILM T 1/5W 10Kohm 5%
R803	RCFT-E473J-000	RESISTOR-CARBON FILM T 1/5W 47Kohm 5%
R804	RCFT-E105J-000	RESISTOR-CARBON FILM T 1/5W 1Kohm 5%
R805	RCFT-E223J-000	RESISTOR-CARBON FILM T 1/5W 22Kohm 5%
R806	RCFT-E103J-000	RESISTOR-CARBON FILM T 1/5W 10Kohm 5%
R807	RCFT-E103J-000	RESISTOR-CARBON FILM T 1/5W 10Kohm 5%
R808	RCFT-E103J-000	RESISTOR-CARBON FILM T 1/5W 10Kohm 5%
R809	RCFT-E103J-000	RESISTOR-CARBON FILM T 1/5W 10Kohm 5%
R810	RCFT-E473J-000	RESISTOR-CARBON FILM T 1/5W 47Kohm 5%
R811	RCFT-E473J-000	RESISTOR-CARBON FILM T 1/5W 47Kohm 5%
R812	RCFT-E473J-000	RESISTOR-CARBON FILM T 1/5W 47Kohm 5%
R813	RCFT-E473J-000	RESISTOR-CARBON FILM T 1/5W 47Kohm 5%
R814	RCFT-E101J-000	RESISTOR-CARBON FILM T 1/5W 100Kohm 5%
R815	RCFT-E123J-000	RESISTOR-CARBON FILM T 1/5W 12Kohm 5%
R816	RCFT-E102J-000	RESISTOR-CARBON FILM T 1/5W 1Kohm 5%
R817	RCFT-E104J-000	RESISTOR-CARBON FILM T 1/5W 100Kohm 5%
R818	RCFT-E102J-000	RESISTOR-CARBON FILM T 1/5W 1Kohm 5%
R819	RCFT-E102J-000	RESISTOR-CARBON FILM T 1/5W 1Kohm 5%
R820	RCFT-E102J-000	RESISTOR-CARBON FILM T 1/5W 1Kohm 5%
R821	RCFT-E102J-000	RESISTOR-CARBON FILM T 1/5W 1Kohm 5%
R822	RCFT-E102J-000	RESISTOR-CARBON FILM T 1/5W 1Kohm 5%
R823	RCFT-E102J-000	RESISTOR-CARBON FILM T 1/5W 1Kohm 5%
R824	RCFT-E102J-000	RESISTOR-CARBON FILM T 1/5W 1Kohm 5%

IV. PARTS LIST

Ref. No.	Part No.	Description
R825	RCFT-E102J-000	RESISTOR-CARBON FILM T 1/5W 1Kohm 5%
R826	RCFT-E152J-000	RESISTOR-CARBON FILM T 1/5W 1.5Kohm 5%
R827	RCFT-E100J-000	RESISTOR-CARBON FILM T 1/5W 10ohm 5%
R828	RCFT-E100J-000	RESISTOR-CARBON FILM T 1/5W 10ohm 5%
R829	RCFT-E751J-000	RESISTOR-CARBON FILM T 1/5W 750ohm 5%
R830	RCFT-E751J-000	RESISTOR-CARBON FILM T 1/5W 750ohm 5%
R831	RCFT-E105J-000	RESISTOR-CARBON FILM T 1/5W 1Kohm 5%
R832	RCFT-E470J-000	RESISTOR-CARBON FILM T 1/5W 47ohm 5%
R833	RCFT-E473J-000	RESISTOR-CARBON FILM T 1/5W 47Kohm 5%
R841	RCFT-E471J-000	RESISTOR-CARBON FILM T 1/5W 470ohm 5%
R842	RCFT-E471J-000	RESISTOR-CARBON FILM T 1/5W 470ohm 5%
R844	RCFT-E473J-000	RESISTOR-CARBON FILM T 1/5W 47Kohm 5%
R921	RCFT-E103J-000	RESISTOR-CARBON FILM T 1/5W 10Kohm 5%
R922	RCFT-E103J-000	RESISTOR-CARBON FILM T 1/5W 10Kohm 5%
R923	RCFT-E152J-000	RESISTOR-CARBON FILM T 1/5W 1.5Kohm 5%
R924	RCFT-E473J-000	RESISTOR-CARBON FILM T 1/5W 47Kohm 5%
R925	RCFT-E473J-000	RESISTOR-CARBON FILM T 1/5W 47Kohm 5%
R926	RCFT-E821J-000	RESISTOR-CARBON FILM T 1/5W 820ohm 5%
S801	SWLF-00110-FSB	SWITCH-LEAF 16V 0.5A MSW-1731CVC
S802	SWTA-00220-060	SWITCH-TACT SKHV10910 12V 50mA
S803	SWTA-00220-060	SWITCH-TACT SKHV10910 12V 50mA
S804	SWTA-00220-060	SWITCH-TACT SKHV10910 12V 50mA
S805	SWTA-00220-060	SWITCH-TACT SKHV10910 12V 50mA
S806	SWTA-00220-060	SWITCH-TACT SKHV10910 12V 50mA
S807	SWTA-00220-060	SWITCH-TACT SKHV10910 12V 50mA
S808	SWTA-00220-060	SWITCH-TACT SKHV10910 12V 50mA
S809	SWTA-00220-060	SWITCH-TACT SKHV10910 12V 50mA
S810	SWTA-00220-060	SWITCH-TACT SKHV10910 12V 50mA
S811	SWTA-00220-060	SWITCH-TACT SKHV10910 12V 50mA
S812	SWTA-00220-060	SWITCH-TACT SKHV10910 12V 50mA
S813	SWTA-00220-060	SWITCH-TACT SKHV10910 12V 50mA
S814	SWTA-00220-060	SWITCH-TACT SKHV10910 12V 50mA
VR301	VWBD-E0092-104	VR-W/MOTOR RK16Y12MC 28A 14B-100KB×2
Z305	NERX-J0067-105	NETWORK-RESISTOR 7A 105J MHR 1M×7 P2.54 8P
Z306	NERX-J0067-105	NETWORK-RESISTOR 7A 105J MHR 1M×7 P2.54 8P
Z402	KTRE-00051-040	RESONATOR CSA4.00MG 4MHz
Z801	ICHY-00120-TL0	IC REMOTE RECEIV KRM-50M2
Z802	DPFL-00260-00A	DISPLAY-FLUORSCENT AMP940 SVA-12MF01
Z803	KTAL-00021-041	CRYSTAL HC-49/U 4.194304MHz

DECK MECHANISM : CWA 414RR : DECA-00340-00M

8. DECK MAIN P.C BOARD

Ref. No.	Part No.	Description
CN001	U204-8S828-202	WIRE-ASS'Y UL2547♯28 RD/WT-280 2P
CN003	KNCW-00670-BT9	CONNECTOR-WAFER 52004-1110 11P 1.5mm-WHT
CN004	KNCW-00670-DT9	CONNECTOR-WAFER 52004-1310 13P 1.5mm-WHT
CN006	UM09-B0055-022	ASS'Y WIRE UL1077♯24 FC-11P-500
CN007	KNCW-00680-CS0	CONNECTOR-WAFER 8370-111 1.25mm S. 12P
CN008	KNCW-00680-DS0	CONNECTOR-WAFER 8370-111 1.25mm S. 13P
CN009	UM10-50273-002	WIRE-ASS'Y UL2547♯28, 1533♯28 250/270
CN010	KNCW-00140-3TM	CONNECTOR-WAFER 5267-03A 2.5mm MILK
CN101	KNCW-00680-CT0	CONNECTOR-WAFER 8370-111 1.25mm T. 13P
CN102	KNCW-00680-DT0	CONNECTOR-WAFER 8370-111 1.25mm T. 12P
C001	CCCT-J103Z-0DF	CAPACITOR CERAMIC T 50V 0.01μF Z F
C002	CCTT-J223Z-0FF	CAPACITOR CERAMIC T 50V 0.022μF Z F
C101	CCTT-J331Z-0FZ	CAPACITOR CERAMIC T 50V 330PF J SL
C102	CCTT-J331Z-0FZ	CAPACITOR CERAMIC T 50V 330PF J SL
C103	CCTT-J331Z-0FZ	CAPACITOR CERAMIC T 50V 330PF J SL
C104	CCTT-J331Z-0FZ	CAPACITOR CERAMIC T 50V 330PF J SL
C105	CEET-G100M-CI0	CAPACITOR E/ALUMINUM T 35V 10μF M 5×11
C106	CEET-G100M-CI0	CAPACITOR E/ALUMINUM T 35V 10μF M 5×11
C107	CCCT-J101Z-OCZ	CAPACITOR CERAMIC T 50V 100PF J SL
C108	CCCT-J101Z-OCZ	CAPACITOR CERAMIC T 50V 100PF J SL
C109	CEET-F330M-CI0	CAPACITOR E/ALUMINUM T 25V 33μF M 5×11
C110	CEET-F330M-CI0	CAPACITOR E/ALUMINUM T 25V 33μF M 5×11
C111	CFMT-N103J-DE0	CAPACITOR F/POLYESTR T 50V 0.01μF J 6×7
C112	CFMT-N103J-DE0	CAPACITOR F/POLYESTR T 50V 0.01μF J 6×7
C113	CEET-J1R0M-CI0	CAPACITOR E/ALUMINUM T 50V 1.0μF M 5×11
C114	CEET-J1R0M-CI0	CAPACITOR E/ALUMINUM T 50V 1.0μF M 5×11
C115	CFMT-N153J-EK0	CAPACITOR F/POLYESTR T 100V 0.015μF J 7.1×13

IV. PARTS LIST

Ref. No.	Part No.	Description
C116	CFMT-N153J-EK0	CAPACITOR F/POLYESTR T 100V 0.015μF J 7.1×13
C117	CFMT-N392J-DJ0	CAPACITOR F/POLYESTR T 100V 0.0039μF J 5.8×12
C118	CFMT-N392J-DJ0	CAPACITOR F/POLYESTR T 100V 0.0039μF J 5.8×12
C119	CFMT-N223J-EK0	CAPACITOR F/POLYESTR T 100V 0.022μF J 7.4×13
C120	CFMT-N223J-EK0	CAPACITOR F/POLYESTR T 100V 0.022μF J 7.4×13
C121	CEET-J1R0M-CI0	CAPACITOR E/ALUMINUM T 50V 1.0μF M 5×11
C122	CEET-J1R0M-CI0	CAPACITOR E/ALUMINUM T 50V 1.0μF M 5×11
C123	CEET-E101M-DI0	CAPACITOR E/ALUMINUM T 16V 100μF M 6.3×11
C124	CEET-J4R7M-CI0	CAPACITOR E/ALUMINUM T 50V 4.7μF M 5×11
C201	CCCT-J681K-0BB	CAPACITOR CERAMIC T 50V 680PF K 8
C202	CCCT-J681K-0BB	CAPACITOR CERAMIC T 50V 680PF K 8
C203	CEET-G100M-CI0	CAPACITOR E/ALUMINUM T 35V 10μF M 5×11
C204	CEET-G100M-CI0	CAPACITOR E/ALUMINUM T 35V 10μF M 5×11
C205	CCTT-J101J-0CZ	CAPACITOR CERAMIC T 50V 100PF J SL
C206	CCTT-J101J-0CZ	CAPACITOR CERAMIC T 50V 100PF J SL
C207	CEET-F330M-CI0	CAPACITOR E/ALUMINUM T 25V 33μF M 5×11
C208	CEET-F330M-CI0	CAPACITOR E/ALUMINUM T 25V 33μF M 5×11
C209	CFMT-N103J-DE0	CAPACITOR F/POLYESTR T 50V 0.01μF J 6×7
C210	CFMT-N103J-DE0	CAPACITOR F/POLYESTR T 50V 0.01μF J 6×7
C211	CEET-J1R0M-CI0	CAPACITOR E/ALUMINUM T 50V 1.0μF M 5×11
C212	CEET-J1R0M-CI0	CAPACITOR E/ALUMINUM T 50V 1.0μF M 5×11
C213	CFMT-N153J-EK0	CAPACITOR F/POLYESTR T 100V 0.015μF J 7.1×13
C214	CFMT-N153J-EK0	CAPACITOR F/POLYESTR T 100V 0.015μF J 7.1×13
C215	CFMT-N392J-DJ0	CAPACITOR F/POLYESTR T 100V 0.0039μF J 5.8×12
C216	CFMT-N392J-DJ0	CAPACITOR F/POLYESTR T 100V 0.0039μF J 5.8×12
C217	CEET-J1R0M-CI0	CAPACITOR E/ALUMINUM T 50V 1.0μF M 5×11
C218	CEET-J1R0M-CI0	CAPACITOR E/ALUMINUM T 50V 1.0μF M 5×11
C219	CEET-E101M-DI0	CAPACITOR E/ALUMINUM T 16V 100μF M 6.3×11
C301	CEET-J2R2M-CI0	CAPACITOR E/ALUMINUM T 50V 2.2μF M 5×11
C302	CEET-J2R2M-CI0	CAPACITOR E/ALUMINUM T 50V 2.2μF M 5×11
C303	CFMT-N183J-EF0	CAPACITOR F/POLYESTR T 50V 0.018μF J 7.5×8.5
C304	CFMT-N183J-EF0	CAPACITOR F/POLYESTR T 50V 0.018μF J 7.5×8.5
C305	CEET-J4R7M-CI0	CAPACITOR E/ALUMINUM T 50V 4.7μF M 5×11
C306	CEET-J4R7M-CI0	CAPACITOR E/ALUMINUM T 50V 4.7μF M 5×11

Ref. No.	Part No.	Description
C307	CEET-JR22M-CI0	CAPACITOR E/ALUMINUM T 50V 0.22μF M 5×11
C308	CEET-JR22M-CI0	CAPACITOR E/ALUMINUM T 50V 0.22μF M 5×11
C309	CEET-G100M-CI0	CAPACITOR E/ALUMINUM T 35V 10μF M 5×11
C310	CEET-G100M-CI0	CAPACITOR E/ALUMINUM T 35V 10μF M 5×11
C311	CEET-G100M-CI0	CAPACITOR E/ALUMINUM T 35V 10μF M 5×11
C312	CEET-G100M-CI0	CAPACITOR E/ALUMINUM T 35V 10μF M 5×11
C313	CEET-E101M-DI0	CAPACITOR E/ALUMINUM T 16V 100μF M 6.3×11
C314	CEET-JR47M-CI0	CAPACITOR E/ALUMINUM T 50V 0.47μF M 5×11
C315	CEET-JR22M-CI0	CAPACITOR E/ALUMINUM T 50V 0.22μF M 5×11
C316	CEET-J4R7M-CI0	CAPACITOR E/ALUMINUM T 50V 4.7μF M 5×11
C317	CEET-G100M-CI0	CAPACITOR E/ALUMINUM T 35V 10μF M 5×11
C318	CEET-F470M-CI0	CAPACITOR E/ALUMINUM T 25V 47μF M 5×11
C319	CEET-E101M-DI0	CAPACITOR E/ALUMINUM T 16V 100μF M 6.3×11
C320	CEET-F220M-CI0	CAPACITOR E/ALUMINUM T 25V 22μF M 5×11
C321	CEET-E101M-DI0	CAPACITOR E/ALUMINUM T 16V 100μF M 6.3×11
C322	CEET-F220M-CI0	CAPACITOR E/ALUMINUM T 25V 22μF M 5×11
C401	CEET-J4R7M-CI0	CAPACITOR E/ALUMINUM T 50V 4.7μF M 5×11
C402	CEET-J4R7M-CI0	CAPACITOR E/ALUMINUM T 50V 4.7μF M 5×11
C403	CFMT-N562J-CE0	CAPACITOR F/POLYESTR T 50V 0.0056μF J 5.5×7
C404	CFMT-N562J-CE0	CAPACITOR F/POLYESTR T 50V 0.0056μF J 5.5×7
C405	CEET-F330M-CI0	CAPACITOR E/ALUMINUM T 25V 33μF M 5×11
C406	CEET-F330M-CI0	CAPACITOR E/ALUMINUM T 25V 33μF M 5×11
C407	CEET-JR15M-CI0	CAPACITOR E/ALUMINUM T 50V 0.15μF M 5×11
C408	CEET-JR15M-CI0	CAPACITOR E/ALUMINUM T 50V 0.15μF M 5×11
C409	CEET-J1R0M-CI0	CAPACITOR E/ALUMINUM T 50V 1.0μF M 5×11
C410	CEET-J1R0M-CI0	CAPACITOR E/ALUMINUM T 50V 1.0μF M 5×11
C411	CFMT-N472J-DJ0	CAPACITOR F/POLYESTR T 100V 0.0047μF J 5.8×12
C412	CFMT-N472J-DJ0	CAPACITOR F/POLYESTR T 100V 0.0047μF J 5.8×12
C415	CFMT-N472J-DJ0	CAPACITOR F/POLYESTR T 100V 0.0047μF J 5.8×12
C416	CFMT-N472J-DJ0	CAPACITOR F/POLYESTR T 100V 0.0047μF J 5.8×12
C417	CFMT-N183J-EF0	CAPACITOR F/POLYESTR T 50V 0.018μF J 7.5×8.5
C418	CFMT-N183J-EF0	CAPACITOR F/POLYESTR T 50V 0.018μF J 7.5×8.5
C419	CFMT-N472J-DJ0	CAPACITOR F/POLYESTR T 100V 0.0047μF J 5.8×12
C420	CFMT-N472J-DJ0	CAPACITOR F/POLYESTR T 100V 0.0047μF J 5.8×12

IV. PARTS LIST

Ref. No.	Part No.	Description
C421	CFMT-N272J-DJ0	CAPACITOR F/POLYESTR T 100V 0.0027μF J 5.7×12
C422	CFMT-N272J-DJ0	CAPACITOR F/POLYESTR T 100V 0.0027μF J 5.7×12
C423	CFMT-N123J-EK0	CAPACITOR F/POLYESTR T 100V 0.012μF J 7.0×13
C424	CFMT-N123J-EK0	CAPACITOR F/POLYESTR T 100V 0.012μF J 7.0×13
C425	CCTT-J471J-0FZ	CAPACITOR CERAMIC T 50V 470μF J SL
C426	CCTT-J471J-0FZ	CAPACITOR CERAMIC T 50V 470μF J SL
C427	CFMT-N562J-CE0	CAPACITOR F/POLYESTR T 50V 0.0056μF J 5.5×7
C428	CFMT-N562J-CE0	CAPACITOR F/POLYESTR T 50V 0.0056μF J 5.5×7
C429	CEET-F470M-CI0	CAPACITOR E/ALUMINUM T 25V 47μF M 5×11
C430	CEET-E101M-DI0	CAPACITOR E/ALUMINUM T 16V 100μF M 6.3×11
C501	CCTT-J181J-0DZ	CAPACITOR CERAMIC T 50V 180PF J SL
C502	CCTT-J181J-0DZ	CAPACITOR CERAMIC T 50V 180PF J SL
C503	CFSW-O103J-FK0	CAPACITOR F/STYROL S 100V 0.01μV J 8.5×13
C504	CEET-E221M-FI0	CAPACITOR E/ALUMINUM T 16V 220μF M 8×11.5
C505	CCCT-J561K-0BB	CAPACITOR CERAMIC T 50V 560PF K B
C507	CFMT-N472J-DJ0	CAPACITOR F/POLYESTR T 100V 0.0047μF J 5.8×12
C508	CFMT-N683J-HJ0	CAPACITOR F/POLYESTR T 50V 0.068μF J 10.3×12
C601	CEET-J1R0M-CI0	CAPACITOR E/ALUMINUM T 50V 1.0μF M 5×11
C602	CEET-J1R0M-CI0	CAPACITOR E/ALUMINUM T 50V 1.0μF M 5×11
C603	CEET-G100M-CI0	CAPACITOR E/ALUMINUM T 35V 10μF M 5×11
C604	CEET-G100M-CI0	CAPACITOR E/ALUMINUM T 35V 10μF M 5×11
C605	CEET-J4R7M-CI0	CAPACITOR E/ALUMINUM T 50V 4.7μF M 5×11
C606	CEET-J4R7M-CI0	CAPACITOR E/ALUMINUM T 50V 4.7μF M 5×11
C607	CEET-E101M-DI0	CAPACITOR E/ALUMINUM T 16V 100μF M 6.3×11
C608	CEET-E101M-DI0	CAPACITOR E/ALUMINUM T 16V 100μF M 6.3×11
C609	CEET-J4R7M-CI0	CAPACITOR E/ALUMINUM T 50V 4.7μF M 5×11
C610	CEET-J4R7M-CI0	CAPACITOR E/ALUMINUM T 50V 4.7μF M 5×11
C611	CFMT-N222J-CJ0	CAPACITOR F/POLYESTR T 100V 0.0022μF J 5.5×12
C612	CFMT-N222J-CJ0	CAPACITOR F/POLYESTR T 100V 0.0022μF J 5.5×12
R619	RCFT-E394J-000	RESISTOR-CARBON FILM T 1/5W 390Kohm 5%
C620	CEET-J2R2M-CJ0	CAPACITOR E/ALUMINUM T 50V 2.2μF M 5×11
R620	RCFT-E394J-000	RESISTOR-CARBON FILM T 1/5W 390Kohm 5%
C621	CEET-J2R2M-CI0	CAPACITOR E/ALUMINUM T 50V 2.2μF M 5×11
C631	CEET-J4R7M-CI0	CAPACITOR E/ALUMINUM T 50V 4.7μF M 5×11

Ref. No.	Part No.	Description
C701	CCTT-J330J-0BZ	CAPACITOR CERAMIC T 50V 33PF J SL
C702	CCTT-J330J-0BZ	CAPACITOR CERAMIC T 50V 33PF J SL
C703	CFMT-N272J-DJ0	CAPACITOR F/POLYESTR T 100V 0.0027μF J 5.7×12
C704	CFMT-N272J-DJ0	CAPACITOR F/POLYESTR T 100V 0.0027μF J 5.7×12
C705	CEET-J1R0M-CI0	CAPACITOR E/ALUMINUM T 50V 1.0μF M 5×11
C706	CEET-J2R2M-CI0	CAPACITOR E/ALUMINUM T 50V 2.2μF M 5×11
C801	CCCT-J103Z-0DF	CAPACITOR CERAMIC T 50V 0.01μF Z F
C802	CCCT-J103Z-0DF	CAPACITOR CERAMIC T 50V 0.01μF Z F
C803	CCCT-J103Z-0DF	CAPACITOR CERAMIC T 50V 0.01μF Z F
C804	CCCT-J103Z-0DF	CAPACITOR CERAMIC T 50V 0.01μF Z F
C805	CCCT-J103Z-0DF	CAPACITOR CERAMIC T 50V 0.01μF Z F
C806	CEEM-G222M-LR1	CAPACITOR E/ALUMINUM M 35V 2200μF M 16×31.5 U
C807	CEET-J4R7M-CI0	CAPACITOR E/ALUMINUM M 50V 4.7μF M 5×11
C808	CEET-E221M-FI0	CAPACITOR E/ALUMINUM M 16V 220μF M 8×11.5
C809	CEET-E221M-FI0	CAPACITOR E/ALUMINUM M 16V 220μF M 8×11.5
C810	CEET-J4R7M-CI0	CAPACITOR E/ALUMINUM M 50V 4.7μF M 5×11
D301	DDTS-00060-SO0	DIODE-SI T DO-40 1SS131 (90V 0.13A)
D302	DDTS-00060-SO0	DIODE-SI T DO-40 1SS131 (90V 0.13A)
D501	DDTS-00060-SO0	DIODE-SI T DO-40 1SS131 (90V 0.13A)
D502	DDTS-00060-SO0	DIODE-SI T DO-40 1SS131 (90V 0.13A)
D503	DDTR-00040-T10	DIODE-RECTIFIER T DO-41 1N4004 (400V 1A)
D504	DDTR-00040-T10	DIODE-RECTIFIER T DO-41 1N4004 (400V 1A)
D601	DDTS-00060-SO0	DIODE-SI T DO-40 1SS131 (90V 0.13A)
D602	DDTS-00060-SO0	DIODE-SI T DO-40 1SS131 (90V 0.13A)
D603	DDTS-00060-SO0	DIODE-SI T DO-40 1SS131 (90V 0.13A)
D604	DDTS-00060-SO0	DIODE-SI T DO-40 1SS131 (90V 0.13A)
D701	DDTS-00060-SO0	DIODE-SI T DO-40 1SS131 (90V 0.13A)
D702	DDTR-00040-T10	DIODE-RECTIFIER T DO-41 1N4004 (400V 1A)
D703	DDTR-00040-T10	DIODE-RECTIFIER T DO-41 1N4002 (100V 1A)
D801	DDTR-00040-T10	DIODE-RECTIFIER T DO-41 1N4004 (400V 1A)
D802	DDTR-00040-T10	DIODE-RECTIFIER T DO-41 1N4004 (400V 1A)
D803	DDTR-00040-T10	DIODE-RECTIFIER T DO-41 1N4004 (400V 1A)
D804	DDTR-00040-T10	DIODE-RECTIFIER T DO-41 1N4004 (400V 1A)
D805	DDTZ-G056B-SO0	DIODE ZENER T DO-40 MTZ5.6B 5.45-5.73

IV. PARTS LIST

Ref. No.	Part No.	Description
IC101	ICLN-01280-SD0	IC DUAL PRE AMP SIP8 KIA6225S
IC103	ICLN-00610-S10	IC AUDIO SENSER SIP 9 LA2000
IC201	ICDG-00370-S20	IC TAPE SELECTOR SIP9 µPD1330HA
IC202	ICLN-01280-SD0	IC DUAL PRE AMP SIP8 KIA6225S
IC301	ICCM-00060-SQ0	IC QUAD SWITCH DIP14 GD4066B
IC302	ICLN-00681-SA0	IC DOLBY B DIP16 HA12136A
IC401	ICOP-00131-SE0	IC DUAL OP AMP DIP 8 KA4558C
IC701	ICMP-00710-SA0	IC U-COMPUTER DIP64 TD-9305-005
IC702	ICOP-00210-SD0	IC RESET TO-92 KIA7042P/F 4.2V
IC801	ICRG-00217-SE0	IC REGULATOR TO-220 KA7812C 12V
IC802	ICRG-00217-SE0	IC REGULATOR TO-220 KA7812C 12V
LD701	DPLT-00562-YY3	DOT-LED SLR-305YYA47 YEL R3.2 N TP
LD702	DPLT-00562-YY3	DOT-LED SLR-305YYA47 YEL R3.2 N TP
LD703	DPLT-00562-YY3	DOT-LED SLR-305YYA47 YEL R3.2 N TP
LD704	DPLT-00562-YY3	DOT-LED SLR-305YYA47 YEL R3.2 N TP
LD705	DPLT-00562-YY3	DOT-LED SLR-305YYA47 YEL R3.2 N TP
LD706	DPLT-00562-YY3	DOT-LED SLR-305YYA47 YEL R3.2 N TP
LD707	DPLT-00562-YY3	DOT-LED SLR-305YYA47 YEL R3.2 N TP
LD708	DPLT-00562-VR3	DOT-LED SLR-305VRA47 RED R3.2 N TP
LD709	DPLT-00562-VR3	DOT-LED SLR-305VRA47 RED R3.2 N TP
L401	KIRK-Z0010-E40	COIL-REC CHOCK AAK001 8.2mH MOLD
L402	KIRK-Z0010-E40	COIL-REC CHOCK AAK001 8.2mH MOLD
L403	KIRP-00070-ED0	COIL-REC TRAP ARP009 85KHz 7mm-CAN
L404	KIRP-00070-ED0	COIL-REC TRAP ARP009 85KHz 7mm-CAN
L501	KIRO-00300-ED0	COIL-REC OSC ARO-022 85KHz 10mm-CAN
L601	KIRA-00040-E60	COIL-REC FILTER ARA004 DOLBY-B
L602	KIRA-00040-E60	COIL-REC FILTER ARA004 DOLBY-B
NTRX1	NERX-J0028-223	NETWORK-RESISTOR RGLE8-223J 22K×8 P1.78
NTRX2	NERX-J0028-223	NETWORK-RESISTOR RGLE8-223J 22K×8 P1.78
Q101	TRTC-0016G-SD0	TRANSISTOR N-H FREQ TO92 KTC3198-GR
Q102	TRTC-0016G-SD0	TRANSISTOR N-H FREQ TO92 KTC3198-GR
Q103	TRTC-0016G-SD0	TRANSISTOR N-H FREQ TO92 KTC3198-GR
Q104	TRTC-0016G-SD0	TRANSISTOR N-H FREQ TO92 KTC3198-GR
Q105	TRTC-0016G-SD0	TRANSISTOR N-H FREQ TO92 KTC3198-GR
Q106	TRTC-0016G-SD0	TRANSISTOR N-H FREQ TO92 KTC3198-GR
Q201	TRTC-0016G-SD0	TRANSISTOR N-H FREQ TO92 KTC3198-GR
Q202	TRTC-0016G-SD0	TRANSISTOR N-H FREQ TO92 KTC3198-GR
Q203	TRTC-0016G-SD0	TRANSISTOR N-H FREQ TO92 KTC3198-GR
Q204	TRTC-0016G-SD0	TRANSISTOR N-H FREQ TO92 KTC3198-GR
Q301	TRTC-0060E-SOS	TRANSISTOR N-H FREQ TO92M DTC144E-S
Q302	TRTC-0060E-SOS	TRANSISTOR N-H FREQ TO92M DTC144E-S
Q303	TRTD-00200-SD0	TRANSISTOR N-H FREQ TO92 KTD-1302
Q304	TRTD-00200-SD0	TRANSISTOR N-L FREQ TO92 KTD-1302
Q305	TRTD-00200-SD0	TRANSISTOR N-L FREQ TO92 KTD-1302
Q306	TRTD-00200-SD0	TRANSISTOR N-L FREQ TO92 KTD-1302
Q307	TRTD-00200-SD0	TRANSISTOR N-L FREQ TO92 KTD-1302
Q308	TRTD-00200-SD0	TRANSISTOR N-L FREQ TO92 KTD-1302
Q311	TRTA-0041E-SOS	TRANSISTOR P-H FREQ TO92M DTA144E-S W/RESIST
Q316	TRTC-0016G-SD0	TRANSISTOR N-H FREQ TO92 KTC3198-GR
Q317	TRTC-0016G-SD0	TRANSISTOR N-H FREQ TO92 KTC3198-GR
Q401	TRTD-00200-SD0	TRANSISTOR N-L FREQ TO92 KTD-1302
Q402	TRTD-00200-SD0	TRANSISTOR N-L FREQ TO92 KTD-1302
Q403	TRTC-0016G-SD0	TRANSISTOR N-H FREQ TO92 KTC3198-GR
Q404	TRTC-0016G-SD0	TRANSISTOR N-H FREQ TO92 KTC3198-GR
Q405	TRTC-0016G-SD0	TRANSISTOR N-H FREQ TO92 KTC3198-GR
Q406	TRTC-0016G-SD0	TRANSISTOR N-H FREQ TO92 KTC3198-GR
Q407	TRTC-0016G-SD0	TRANSISTOR N-H FREQ TO92 KTC3198-GR
Q408	TRTC-0016G-SD0	TRANSISTOR N-H FREQ TO92 KTC3198-GR
Q409	TRTC-0016G-SD0	TRANSISTOR N-H FREQ TO92 KTC3198-GR
Q410	TRTC-0016G-SD0	TRANSISTOR N-H FREQ TO92 KTC3198-GR
Q501	TRTC-0008Y-SD0	TRANSISTOR N-H FREQ TO92 KTC2120-Y
Q503	TRTA-0012Y-SD0	TRANSISTOR P-H FREQ TO92L KTC1273-Y
Q504	TRTC-0060E-SOS	TRANSISTOR N-H FREQ TO92M DTC144E-S
Q505	TRTA-0008G-SD0	TRANSISTOR P-H FREQ TO92 KTA1266-GR
Q506	TRTA-0009Y-SD0	TRANSISTOR P-H FREQ TO92 KTC1271-Y
Q507	TRTC-0016G-SD0	TRANSISTOR N-H FREQ TO92 KTC3198-GR
Q601	TRTC-0016G-SD0	TRANSISTOR N-H FREQ TO92 KTC3198-GR
Q602	TRTC-0016G-SD0	TRANSISTOR N-H FREQ TO92 KTC3198-GR

IV. PARTS LIST

Ref. No.	Part No.	Description
Q603	TRTC-0016G-SD0	TRANSISTOR N-H FREQ TO92 KTC3198-GR
Q604	TRTC-0016G-SD0	TRANSISTOR N-H FREQ TO92 KTC3198-GR
Q605	TRTC-0016G-SD0	TRANSISTOR N-H FREQ TO92 KTC3198-GR
Q606	TRTC-0016G-SD0	TRANSISTOR N-H FREQ TO92 KTC3198-GR
Q607	TRTC-0016G-SD0	TRANSISTOR N-H FREQ TO92 KTC3198-GR
Q608	TRTC-0016G-SD0	TRANSISTOR N-H FREQ TO92 KTC3198-GR
Q609	TRTC-0016G-SD0	TRANSISTOR N-H FREQ TO92 KTC3198-GR
Q610	TRTC-0016G-SD0	TRANSISTOR N-H FREQ TO92 KTC3198-GR
Q611	TRTC-0016G-SD0	TRANSISTOR N-H FREQ TO92 KTC3198-GR
Q612	TRTC-0016G-SD0	TRANSISTOR N-H FREQ TO92 KTC3198-GR
Q613	TRTC-0060E-SOS	TRANSISTOR N-H FREQ TO92M DTC144E-S
Q701	TRTC-0060E-SOS	TRANSISTOR N-H FREQ TO92M DTC144E-S
Q702	TRTC-0060E-SOS	TRANSISTOR N-H FREQ TO92M DTC144E-S
Q704	TRTC-0060E SOS	TRANSISTOR N-H FREQ TO92M DTC144E-S
Q705	TRTC-0060E-SOS	TRANSISTOR N-H FREQ TO92M DTC144E-S
Q706	TRTC-0060E-SOS	TRANSISTOR N-H FREQ TO92M DTC144E-S
Q707	TRTC-0060E-SOS	TRANSISTOR N-H FREQ TO92M DTC144E-S
Q708	TRTC-0060E-SOS	TRANSISTOR N-H FREQ TO92M DTC144E-S
Q709	TRTA-0012Y-SD0	TRANSISTOR P-H FREQ TO92L KTA1273-Y
Q711	TRTA-0012Y-SD0	TRANSISTOR P-H FREQ TO92L KTA1273-Y
Q712	TRTA-0008G-SD0	TRANSISTOR P-H FREQ TO92 KTA1266-GR
Q713	TRTA-0012Y-SD0	TRANSISTOR P-H FREQ TO92L KTA1273-Y
Q714	TRTA-0012Y-SD0	TRANSISTOR P-H FREQ TO92L KTA1273-Y
Q715	TRTC-0060E-SOS	TRANSISTOR N-H FREQ TO92M DTC144E-S
Q716	TRTC-0060E-SOS	TRANSISTOR N-H FREQ TO92M DTC144E-S
Q717	TRTC-0060E-SOS	TRANSISTOR N-H FREQ TO92M DTC144E-S
Q718	TRTC-0016G-SD0	TRANSISTOR N-H FREQ TO92 KTC3198-GR
Q719	TRTA-0008G-SD0	TRANSISTOR P-H FREQ TO92 KTA1266-GR
Q720	TRTC-0016G-SD0	TRANSISTOR N-H FREQ TO92 KTC3198-GR
Q730	TRTC-0016G-SD0	TRANSISTOR N-H FREQ TO92 KTC3198-GR
Q731	TRTC-0060E-SOS	TRANSISTOR N-H FREQ TO92M DTC144E-S
Q801	TRTC-0008Y-SD0	TRANSISTOR N-H FREQ TO92 KTC2120-Y
R001	RCFT-E102J-000	RESISTOR-CARBON FILM T 1/5W 1Kohm 5%
R002	RCFT-E123J-000	RESISTOR-CARBON FILM T 1/5W 12Kohm 5%
R003	RCFT-E104J-000	RESISTOR-CARBON FILM T 1/5W 100Kohm 5%
R101	RCFT-E224J-000	RESISTOR-CARBON FILM T 1/5W 220Kohm 5%
R102	RCFT-E224J-000	RESISTOR-CARBON FILM T 1/5W 220Kohm 5%
R103	RCFT-E224J-000	RESISTOR-CARBON FILM T 1/5W 220Kohm 5%
R104	RCFT-E224J-000	RESISTOR-CARBON FILM T 1/5W 220Kohm 5%
R105	RCFT-E334J-000	RESISTOR-CARBON FILM T 1/5W 330Kohm 5%
R106	RCFT-E334J-000	RESISTOR-CARBON FILM T 1/5W 330Kohm 5%
R107	RCFT-E123J-000	RESISTOR-CARBON FILM T 1/5W 12Kohm 5%
R108	RCFT-E123J-000	RESISTOR-CARBON FILM T 1/5W 12Kohm 5%
R109	RCFT-E152J-000	RESISTOR-CARBON FILM T 1/5W 1.5Kohm 5%
R110	RCFT-E152J-000	RESISTOR-CARBON FILM T 1/5W 1.5Kohm 5%
R111	RCFT-E272J-000	RESISTOR-CARBON FILM T 1/5W 2.7Kohm 5%
R112	RCFT-E272J-000	RESISTOR-CARBON FILM T 1/5W 2.7Kohm 5%
R113	RCFT-E302J-000	RESISTOR-CARBON FILM T 1/5W 3Kohm 5%
R114	RCFT-E302J-000	RESISTOR-CARBON FILM T 1/5W 3Kohm 5%
R115	RCFT-E392J-000	RESISTOR-CARBON FILM T 1/5W 3.9Kohm 5%
R116	RCFT-E392J-000	RESISTOR-CARBON FILM T 1/5W 3.9Kohm 5%
R117	RCFT-E562J-000	RESISTOR-CARBON FILM T 1/5W 5.6Kohm 5%
R118	RCFT-E562J-000	RESISTOR-CARBON FILM T 1/5W 5.6Kohm 5%
R119	RCFT-E224J-000	RESISTOR-CARBON FILM T 1/5W 220Kohm 5%
R120	RCFT-E224J-000	RESISTOR-CARBON FILM T 1/5W 220Kohm 5%
R121	RCFT-E223J-000	RESISTOR-CARBON FILM T 1/5W 22Kohm 5%
R122	RCFT-E223J-000	RESISTOR-CARBON FILM T 1/5W 22Kohm 5%
R123	RCFT-E223J-000	RESISTOR-CARBON FILM T 1/5W 22Kohm 5%
R124	RCFT-E103J-000	RESISTOR-CARBON FILM T 1/5W 10Kohm 5%
R125	RCFT-E561J-000	RESISTOR-CARBON FILM T 1/5W 560Kohm 5%
R201	RCFT-E473J-000	RESISTOR-CARBON FILM T 1/5W 47Kohm 5%
R202	RCFT-E103J-000	RESISTOR-CARBON FILM T 1/5W 10Kohm 5%
R203	RCFT-E473J-000	RESISTOR-CARBON FILM T 1/5W 47Kohm 5%
R204	RCFT-E223J-000	RESISTOR-CARBON FILM T 1/5W 22Kohm 5%
R205	RCFT-E224J-000	RESISTOR-CARBON FILM T 1/5W 220Kohm 5%
R206	RCFT-E224J-000	RESISTOR-CARBON FILM T 1/5W 220Kohm 5%
R207	RCFT-E334J-000	RESISTOR-CARBON FILM T 1/5W 330Kohm 5%
R208	RCFT-E334J-000	RESISTOR-CARBON FILM T 1/5W 330Kohm 5%

IV. PARTS LIST

Ref. No.	Part No.	Description
R209	RCFT-E123J-000	RESISTOR-CARBON FILM T 1/5W 12Kohm 5%
R210	RCFT-E123J-000	RESISTOR-CARBON FILM T 1/5W 12Kohm 5%
R211	RCFT-E152J-000	RESISTOR-CARBON FILM T 1/5W 1.5Kohm 5%
R212	RCFT-E152J-000	RESISTOR-CARBON FILM T 1/5W 1.5Kohm 5%
R213	RCFT-E272J-000	RESISTOR-CARBON FILM T 1/5W 2.7Kohm 5%
R214	RCFT-E272J-000	RESISTOR-CARBON FILM T 1/5W 2.7Kohm 5%
R215	RCFT-E302J-000	RESISTOR-CARBON FILM T 1/5W 3Kohm 5%
R216	RCFT-E302J-000	RESISTOR-CARBON FILM T 1/5W 3Kohm 5%
R217	RCFT-E392J-000	RESISTOR-CARBON FILM T 1/5W 3.9Kohm 5%
R218	RCFT-E392J-000	RESISTOR-CARBON FILM T 1/5W 3.9Kohm 5%
R527	RCFT-E103J-000	RESISTOR-CARBON FILM T 1/5W 10Kohm 5%
R219	RCFT-E223J-000	RESISTOR-CARBON FILM T 1/5W 22Kohm 5%
R220	RCFT-E561J-000	RESISTOR-CARBON FILM T 1/5W 560Kohm 5%
R301	RCFT-E224J-000	RESISTOR-CARBON FILM T 1/5W 220Kohm 5%
R302	RCFT-E224J-000	RESISTOR-CARBON FILM T 1/5W 220Kohm 5%
R303	RCFT-E224J-000	RESISTOR-CARBON FILM T 1/5W 220Kohm 5%
R304	RCFT-E224J-000	RESISTOR-CARBON FILM T 1/5W 220Kohm 5%
R305	RCFT-E224J-000	RESISTOR-CARBON FILM T 1/5W 220Kohm 5%
R306	RCFT-E224J-000	RESISTOR-CARBON FILM T 1/5W 220Kohm 5%
R307	RCFT-E103J-000	RESISTOR-CARBON FILM T 1/5W 10Kohm 5%
R308	RCFT-E103J-000	RESISTOR-CARBON FILM T 1/5W 10Kohm 5%
R309	RCFT-E223J-000	RESISTOR-CARBON FILM T 1/5W 22Kohm 5%
R310	RCFT-E223J-000	RESISTOR-CARBON FILM T 1/5W 22Kohm 5%
R311	RCFT-E683J-000	RESISTOR-CARBON FILM T 1/5W 68Kohm 5%
R312	RCFT-E683J-000	RESISTOR-CARBON FILM T 1/5W 68Kohm 5%
R313	RCFT-E392J-000	RESISTOR-CARBON FILM T 1/5W 3.9Kohm 5%
R314	RCFT-E392J-000	RESISTOR-CARBON FILM T 1/5W 3.9Kohm 5%
R315	RCFT-E223J-000	RESISTOR-CARBON FILM T 1/5W 22Kohm 5%
R316	RCFT-E223J-000	RESISTOR-CARBON FILM T 1/5W 22Kohm 5%
R317	RCFT-E103J-000	RESISTOR-CARBON FILM T 1/5W 10Kohm 5%
R318	RCFT-E103J-000	RESISTOR-CARBON FILM T 1/5W 10Kohm 5%
R319	RCFT-E562J-000	RESISTOR-CARBON FILM T 1/5W 5.6Kohm 5%
R320	RCFT-E562J-000	RESISTOR-CARBON FILM T 1/5W 5.6Kohm 5%
R322	RCFT-E334J-000	RESISTOR-CARBON FILM T 1/5W 330Kohm 5%
R323	RCFT-E102J-000	RESISTOR-CARBON FILM T 1/5W 1Kohm 5%
R324	RCFT-E224J-000	RESISTOR-CARBON FILM T 1/5W 220Kohm 5%
R325	RCFT-E103J-000	RESISTOR-CARBON FILM T 1/5W 10Kohm 5%
R326	RCFT-E151J-000	RESISTOR-CARBON FILM T 1/5W 150ohm 5%
R327	RCFT-E102J-000	RESISTOR-CARBON FILM T 1/5W 1Kohm 5%
R328	RCFT-E151J-000	RESISTOR-CARBON FILM T 1/5W 150ohm 5%
R329	RCFT-E223J-000	RESISTOR-CARBON FILM T 1/5W 22Kohm 5%
R330	RCFT-E183J-000	RESISTOR-CARBON FILM T 1/5W 18Kohm 5%
R332	RCFT-E223J-000	RESISTOR-CARBON FILM T 1/5W 22Kohm 5%
R333	RCFT-E222J-000	RESISTOR-CARBON FILM T 1/5W 2.2Kohm 5%
R334	RCFT-E222J-000	RESISTOR-CARBON FILM T 1/5W 2.2Kohm 5%
R335	RCFT-E333J-000	RESISTOR-CARBON FILM T 1/5W 33Kohm 5%
R337	RCFT-E562J-000	RESISTOR-CARBON FILM T 1/5W 5.6Kohm 5%
R338	RCFT-E562J-000	RESISTOR-CARBON FILM T 1/5W 5.6Kohm 5%
R339	RCFT-E151J-000	RESISTOR-CARBON FILM T 1/5W 150ohm 5%
R341	RCFT-E223J-000	RESISTOR-CARBON FILM T 1/5W 22Kohm 5%
R343	RCFT-E103J-000	RESISTOR-CARBON FILM T 1/5W 10Kohm 5%
R344	RCFT-E103J-000	RESISTOR-CARBON FILM T 1/5W 10Kohm 5%
R345	RCFT-E103J-000	RESISTOR-CARBON FILM T 1/5W 10Kohm 5%
R348	RCFT-E563J-000	RESISTOR-CARBON FILM T 1/5W 56Kohm 5%
R349	RCFT-E683J-000	RESISTOR-CARBON FILM T 1/5W 68Kohm 5%
R350	RCFT-E563J-000	RESISTOR-CARBON FILM T 1/5W 56Kohm 5%
R380	RCFT-E121J-000	RESISTOR-CARBON FILM T 1/5W 120Kohm 5%
R401	RCFT-E822J-000	RESISTOR-CARBON FILM T 1/5W 8.2Kohm 5%
R402	RCFT-E822J-000	RESISTOR-CARBON FILM T 1/5W 8.2Kohm 5%
R403	RCFT-E683J-000	RESISTOR-CARBON FILM T 1/5W 68Kohm 5%
R404	RCFT-E683J-000	RESISTOR-CARBON FILM T 1/5W 68Kohm 5%
R405	RCFT-E472J-000	RESISTOR-CARBON FILM T 1/5W 4.7Kohm 5%
R406	RCFT-E472J-000	RESISTOR-CARBON FILM T 1/5W 4.7Kohm 5%
R407	RCFT-E153J-000	RESISTOR-CARBON FILM T 1/5W 15Kohm 5%
R408	RCFT-E153J-000	RESISTOR-CARBON FILM T 1/5W 15Kohm 5%
R409	RCFT-E333J-000	RESISTOR-CARBON FILM T 1/5W 33Kohm 5%
R410	RCFT-E333J-000	RESISTOR-CARBON FILM T 1/5W 33Kohm 5%
R411	RCFT-E181J-000	RESISTOR-CARBON FILM T 1/5W 180ohm 5%

IV. PARTS LIST

Ref. No.	Part No.	Description
R412	RCFT-E181J-000	RESISTOR-CARBON FILM T 1/5W 180ohm 5%
R415	RCFT-E330J-000	RESISTOR-CARBON FILM T 1/5W 33ohm 5%
R416	RCFT-E330J-000	RESISTOR-CARBON FILM T 1/5W 33ohm 5%
R419	RCFT-E512J-000	RESISTOR-CARBON FILM T 1/5W 5.1Kohm 5%
R420	RCFT-E512J-000	RESISTOR-CARBON FILM T 1/5W 5.1Kohm 5%
R421	RCFT-E682J-000	RESISTOR-CARBON FILM T 1/5W 6.8Kohm 5%
R422	RCFT-E682J-000	RESISTOR-CARBON FILM T 1/5W 6.8Kohm 5%
R423	RCFT-E822J-000	RESISTOR-CARBON FILM T 1/5W 8.2Kohm 5%
R424	RCFT-E822J-000	RESISTOR-CARBON FILM T 1/5W 8.2Kohm 5%
R425	RCFT-E562J-000	RESISTOR-CARBON FILM T 1/5W 5.6Kohm 5%
R426	RCFT-E562J-000	RESISTOR-CARBON FILM T 1/5W 5.6Kohm 5%
R427	RCFT-E103J-000	RESISTOR-CARBON FILM T 1/5W 10Kohm 5%
R428	RCFT-E103J-000	RESISTOR-CARBON FILM T 1/5W 10Kohm 5%
R429	RCFT-E103J-000	RESISTOR-CARBON FILM T 1/5W 10Kohm 5%
R430	RCFT-E103J-000	RESISTOR-CARBON FILM T 1/5W 10Kohm 5%
R431	RCFT-E221J-000	RESISTOR-CARBON FILM T 1/5W 220ohm 5%
R432	RCFT-E562J-000	RESISTOR-CARBON FILM T 1/5W 5.6Kohm 5%
R433	RCFT-E562J-000	RESISTOR-CARBON FILM T 1/5W 5.6Kohm 5%
R503	RCFT-F2R2J-010	RESISTOR-CARBON FILM T 1/4W 2.2ohm 5%
R504	RCFT-E822J-000	RESISTOR-CARBON FILM T 1/5W 8.2Kohm 5%
R506	RCFT-E391J-000	RESISTOR-CARBON FILM T 1/5W 390ohm 5%
R507	RCFT-E102J-000	RESISTOR-CARBON FILM T 1/5W 1Kohm 5%
R508	RCFT-E471J-000	RESISTOR-CARBON FILM T 1/5W 470ohm 5%
R509	RCFT-E223J-000	RESISTOR-CARBON FILM T 1/5W 22Kohm 5%
R510	RCFT-E271J-000	RESISTOR-CARBON FILM T 1/5W 270ohm 5%
R511	RCFT-E331J-000	RESISTOR-CARBON FILM T 1/5W 330ohm 5%
R512	RCFT-E121J-000	RESISTOR-CARBON FILM T 1/5W 120ohm 5%
R513	RCFT-E151J-000	RESISTOR-CARBON FILM T 1/5W 150ohm 5%
R515	RCFT-E223J-000	RESISTOR-CARBON FILM T 1/5W 22Kohm 5%
R516	RCFT-E223J-000	RESISTOR-CARBON FILM T 1/5W 22Kohm 5%
R517	RCFT-E103J-000	RESISTOR-CARBON FILM T 1/5W 10Kohm 5%
R518	RCFT-E223J-000	RESISTOR-CARBON FILM T 1/5W 22Kohm 5%
R519	RCFT-E223J-000	RESISTOR-CARBON FILM T 1/5W 22Kohm 5%
R520	RCFT-E472J-000	RESISTOR-CARBON FILM T 1/5W 4.7Kohm 5%
R521	RCFT-E472J-000	RESISTOR-CARBON FILM T 1/5W 4.7Kohm 5%
R522	RCFT-E473J-000	RESISTOR-CARBON FILM T 1/5W 47Kohm 5%
R523	RCFT-E223J-000	RESISTOR-CARBON FILM T 1/5W 22Kohm 5%
R524	RCFT-E472J-000	RESISTOR-CARBON FILM T 1/5W 4.7Kohm 5%
R525	RCFT-E473J-000	RESISTOR-CARBON FILM T 1/5W 47Kohm 5%
R526	RCFT-F4R7J-010	RESISTOR-CARBON FILM T 1/4W 4.7ohm 5%
R601	RCFT-E184J-000	RESISTOR-CARBON FILM T 1/5W 180Kohm 5%
R602	RCFT-E184J-000	RESISTOR-CARBON FILM T 1/5W 180Kohm 5%
R603	RCFT-E683J-000	RESISTOR-CARBON FILM T 1/5W 68Kohm 5%
R604	RCFT-E683J-000	RESISTOR-CARBON FILM T 1/5W 68Kohm 5%
R605	RCFT-E332J-000	RESISTOR-CARBON FILM T 1/5W 3.3Kohm 5%
R606	RCFT-E332J-000	RESISTOR-CARBON FILM T 1/5W 3.3Kohm 5%
R607	RCFT-E222J-000	RESISTOR-CARBON FILM T 1/5W 2.2Kohm 5%
R608	RCFT-E222J-000	RESISTOR-CARBON FILM T 1/5W 2.2Kohm 5%
R609	RCFT-E222J-000	RESISTOR-CARBON FILM T 1/5W 2.2Kohm 5%
R610	RCFT-E222J-000	RESISTOR-CARBON FILM T 1/5W 2.2Kohm 5%
R611	RCFT-E103J-000	RESISTOR-CARBON FILM T 1/5W 10Kohm 5%
R612	RCFT-E103J-000	RESISTOR-CARBON FILM T 1/5W 10Kohm 5%
R613	RCFT-E561J-000	RESISTOR-CARBON FILM T 1/5W 560Kohm 5%
R614	RCFT-E561J-000	RESISTOR-CARBON FILM T 1/5W 560Kohm 5%
R615	RCFT-E471J-000	RESISTOR-CARBON FILM T 1/5W 470Kohm 5%
R616	RCFT-E471J-000	RESISTOR-CARBON FILM T 1/5W 470Kohm 5%
R617	RCFT-E332J-000	RESISTOR-CARBON FILM T 1/5W 3.3Kohm 5%
R618	RCFT-E332J-000	RESISTOR-CARBON FILM T 1/5W 3.3Kohm 5%
R621	RCFT-E242J-000	RESISTOR-CARBON FILM T 1/5W 2.4Kohm 5%
R622	RCFT-E242J-000	RESISTOR-CARBON FILM T 1/5W 2.4Kohm 5%
R623	RCFT-E102J-000	RESISTOR-CARBON FILM T 1/5W 1Kohm 5%
R624	RCFT-E102J-000	RESISTOR-CARBON FILM T 1/5W 1Kohm 5%
R625	RCFT-E335J-000	RESISTOR-CARBON FILM T 1/5W 3.3Kohm 5%
R626	RCFT-E223J-000	RESISTOR-CARBON FILM T 1/5W 22Kohm 5%
R627	RCFT-E222J-000	RESISTOR-CARBON FILM T 1/5W 2.2Kohm 5%
R628	RCFT-E101J-000	RESISTOR-CARBON FILM T 1/5W 100Kohm 5%
R629	RCFT-E223J-000	RESISTOR-CARBON FILM T 1/5W 22Kohm 5%
R630	RCFT-E223J-000	RESISTOR-CARBON FILM T 1/5W 22Kohm 5%

IV. PARTS LIST

Ref. No.	Part No.	Description
R631	RCFT-E102J-000	RESISTOR-CARBON FILM T 1/5W 1Kohm 5%
R632	RCFT-E102J-000	RESISTOR-CARBON FILM T 1/5W 1Kohm 5%
R633	RCFT-E123J-000	RESISTOR-CARBON FILM T 1/5W 12Kohm 5%
R634	RCFT-E123J-000	RESISTOR-CARBON FILM T 1/5W 12Kohm 5%
R635	RCFT-E223J-000	RESISTOR-CARBON FILM T 1/5W 22Kohm 5%
R636	RCFT-E223J-000	RESISTOR-CARBON FILM T 1/5W 22Kohm 5%
R637	RCFT-E223J-000	RESISTOR-CARBON FILM T 1/5W 22Kohm 5%
R638	RCFT-E223J-000	RESISTOR-CARBON FILM T 1/5W 22Kohm 5%
R701	RCFT-E331J-000	RESISTOR-CARBON FILM T 1/5W 330Kohm 5%
R702	RCFT-E331J-000	RESISTOR-CARBON FILM T 1/5W 330Kohm 5%
R703	RCFT-E331J-000	RESISTOR-CARBON FILM T 1/5W 330Kohm 5%
R704	RCFT-E331J-000	RESISTOR-CARBON FILM T 1/5W 330Kohm 5%
R705	RCFT-E331J-000	RESISTOR-CARBON FILM T 1/5W 330Kohm 5%
R706	RCFT-E331J-000	RESISTOR-CARBON FILM T 1/5W 330Kohm 5%
R707	RCFT-E331J-000	RESISTOR-CARBON FILM T 1/5W 330Kohm 5%
R708	RCFT-E331J-000	RESISTOR-CARBON FILM T 1/5W 330Kohm 5%
R709	RCFT-E331J-000	RESISTOR-CARBON FILM T 1/5W 330Kohm 5%
R710	RCFT-E101J-000	RESISTOR-CARBON FILM T 1/5W 100Kohm 5%
R713	RCFT-E224J-000	RESISTOR-CARBON FILM T 1/5W 220Kohm 5%
R714	RCFT-E224J-000	RESISTOR-CARBON FILM T 1/5W 220Kohm 5%
R716	RCFT-E223J-000	RESISTOR-CARBON FILM T 1/5W 22Kohm 5%
R717	RCFT-E223J-000	RESISTOR-CARBON FILM T 1/5W 22Kohm 5%
R718	RCFT-E223J-000	RESISTOR-CARBON FILM T 1/5W 22Kohm 5%
R719	RCFT-E223J-000	RESISTOR-CARBON FILM T 1/5W 22Kohm 5%
R720	RCFT-E103J-000	RESISTOR-CARBON FILM T 1/5W 10Kohm 5%
R721	RCFT-E223J-000	RESISTOR-CARBON FILM T 1/5W 22Kohm 5%
R722	RCFT-E223J-000	RESISTOR-CARBON FILM T 1/5W 22Kohm 5%
R726	RCFT-E103J-000	RESISTOR-CARBON FILM T 1/5W 10Kohm 5%
R727	RCFT-E472J-000	RESISTOR-CARBON FILM T 1/5W 4.7Kohm 5%
R728	RCFT-E222J-000	RESISTOR-CARBON FILM T 1/5W 2.2Kohm 5%
R729	RCFT-E223J-000	RESISTOR-CARBON FILM T 1/5W 22Kohm 5%
R730	RCFT-E102J-000	RESISTOR-CARBON FILM T 1/5W 1Kohm 5%
R731	RCFT-E473J-000	RESISTOR-CARBON FILM T 1/5W 47Kohm 5%

Ref. No.	Part No.	Description
R732	RCFT-E332J-000	RESISTOR-CARBON FILM T 1/5W 3.3Kohm 5%
R732	RCFT-E332J-000	RESISTOR-CARBON FILM T 1/5W 3.3Kohm 5%
R733	RCFT-E102J-000	RESISTOR-CARBON FILM T 1/5W 1Kohm 5%
R734	RCFT-E223J-000	RESISTOR-CARBON FILM T 1/5W 22Kohm 5%
R735	RCFT-E472J-000	RESISTOR-CARBON FILM T 1/5W 4.7Kohm 5%
R736	RCFT-E102J-000	RESISTOR-CARBON FILM T 1/5W 1Kohm 5%
R737	RCFT-E223J-000	RESISTOR-CARBON FILM T 1/5W 22Kohm 5%
R738	RCFT-E103J-000	RESISTOR-CARBON FILM T 1/5W 10Kohm 5%
R739	RCFT-E153J-000	RESISTOR-CARBON FILM T 1/5W 15Kohm 5%
R740	RCFT-E223J-000	RESISTOR-CARBON FILM T 1/5W 22Kohm 5%
R741	RCFT-E472J-000	RESISTOR-CARBON FILM T 1/5W 4.7Kohm 5%
R742	RCFT-E562J-000	RESISTOR-CARBON FILM T 1/5W 5.6Kohm 5%
R743	RCFT-E562J-000	RESISTOR-CARBON FILM T 1/5W 5.6Kohm 5%
R745	RCFT-E472J-000	RESISTOR-CARBON FILM T 1/5W 4.7Kohm 5%
R746	RCFT-E102J-000	RESISTOR-CARBON FILM T 1/5W 1Kohm 5%
R747	RCFT-E223J-000	RESISTOR-CARBON FILM T 1/5W 22Kohm 5%
R751	RCFT-E224J-000	RESISTOR-CARBON FILM T 1/5W 220Kohm 5%
R752	RCFT-E224J-000	RESISTOR-CARBON FILM T 1/5W 220Kohm 5%
R753	RCFT-E224J-000	RESISTOR-CARBON FILM T 1/5W 220Kohm 5%
R754	RCFT-E224J-000	RESISTOR-CARBON FILM T 1/5W 220Kohm 5%
R755	RCFT-E224J-000	RESISTOR-CARBON FILM T 1/5W 220Kohm 5%
R756	RCFT-E224J-000	RESISTOR-CARBON FILM T 1/5W 220Kohm 5%
R760	RCFT-F2R2J-000	RESISTOR-CARBON FILM T 1/5W 2.2Kohm 5%
R761	RCFT-E224J-000	RESISTOR-CARBON FILM T 1/5W 220Kohm 5%
R762	RCFT-E103J-000	RESISTOR-CARBON FILM T 1/5W 10Kohm 5%
R801	RFUH-AR68K-110	RESISTOR-FUSIBLE H 1/6W 0.68ohm 10%
R802	RCFT-F100J-010	RESISTOR-CARBON FILM T 1/4W 10ohm 5%
R803	RCFT-E751J-010	RESISTOR-CARBON FILM T 1/5W 750ohm 5%
SW701	SWTA-00220-060	SWITCH-TACT SKHV10910 12V 50mA
SW702	SWTA-00220-060	SWITCH-TACT SKHV10910 12V 50mA
SW703	SWTA-00220-060	SWITCH-TACT SKHV10910 12V 50mA
SW704	SWTA-00220-060	SWITCH-TACT SKHV10910 12V 50mA
SW705	SWTA-00220-060	SWITCH-TACT SKHV10910 12V 50mA
SW706	SWTA-00220-060	SWITCH-TACT SKHV10910 12V 50mA

IV. PARTS LIST

Ref. No.	Part No.	Description
SW707	SWTA-00220-060	SWITCH-TACT SKHV10910 12V 50mA
SW708	SWTA-00220-060	SWITCH-TACT SKHV10910 12V 50mA
SW709	SWTA-00220-060	SWITCH-TACT SKHV10910 12V 50mA
SW710	SWTA-00220-060	SWITCH-TACT SKHV10910 12V 50mA
SW711	SWTA-00220-060	SWITCH-TACT SKHV10910 12V 50mA
SW712	SWTA-00220-060	SWITCH-TACT SKHV10910 12V 50mA
SW713	SWTA-00220-060	SWITCH-TACT SKHV10910 12V 50mA
SW714	SWTA-00220-060	SWITCH-TACT SKHV10910 12V 50mA
SW715	SWTA-00220-060	SWITCH-TACT SKHV10910 12V 50mA
SW716	SWTA-00220-060	SWITCH-TACT SKHV10910 12V 50mA
VR101	VFAB-A005B-471	RESISTOR-SEMI FIXED RH0615C100-471 470B
VR102	VFAB-A005B-471	RESISTOR-SEMI FIXED RH0615C100-471 470B
VR201	VFAB-A005B-471	RESISTOR-SEMI FIXED RH0615C100-471 470B
VR202	VFAB-A005B-471	RESISTOR-SEMI FIXED RH0615C100-471 470B
VR301	VFAB-A005B-103	RESISTOR-SEMI FIXED RH0615C100-103 10KB
VR302	VFAB-A005B-103	RESISTOR-SEMI FIXED RH0615C100-103 10KB
VR501	VFAB-A005B-104	RESISTOR-SEMI FIXED RH0615C100-104 100KB
VR502	VFAB-A005B-104	RESISTOR-SEMI FIXED RH0615C100-104 100KB
VR703	VFAB-A005B-472	RESISTOR-SEMI FIXED RH0615C100-472 4.7KB
VR704	VFAB-A005B-472	RESISTOR-SEMI FIXED RH0615C100-472 4.7KB
Z701	KTRE-00051-040	RESISTOR CSA4.00MG 4MHz

9. CDP MAIN P.C BOARD

Ref. No.	Part No.	Description
CN101	KNCW-00240-8T9	CONNECTOR-WAFER 53014-08 2.0mm WHT
CN102	KNCW-00240-8T9	CONNECTOR-WAFER 53014-08 2.0mm WHT
CN103	KNCW-00240-6T9	CONNECTOR-WAFER 53014-06 2.0mm WHT
CN104	KNCW-00240-6T9	CONNECTOR-WAFER 53014-06 2.0mm WHT
CN501	KNCW-00240-FT9	CONNECTOR-WAFER 53014-15 2.0mm WHT
CN502	KNCW-00240-FT9	CONNECTOR-WAFER 53014-15 2.0mm WHT
CN503	KNCW-00140-5TM	CONNECTOR-WAFER 5267-05A 2.5mm MILK
CN504	KNCW-00140-7TM	CONNECTOR-WAFER 5267-07A 2.5mm MILK
C101	CCCT-J103Z-0DF	CAPACITOR CERAMIC T 50V 0.01μF ZF
C104	CFMT-N183J-EK0	CAPACITOR F/POLYESTR T 100V 0.018μF J 7.3×13

Ref. No.	Part No.	Description
C105	CEET-J4R7M-CI0	CAPACITOR E/ALUMINUM T 50V 4.7μF M 5×11
C106	CEET-F220M-CI0	CAPACITOR E/ALUMINUM T 25V 22μF M 5×11
C107	CCTT-J270J-0BZ	CAPACITOR CERAMIC T 50V 27μF J SL
C108	CEET-JR33M-C10	CAPACITOR E/ALUMINUM T 50V 0.33μF M 5×11
C109	CFMT-N104J-JK0	CAPACITOR F/POLYESTR T 100V 0.10μF J 12.1×14
C110	CEET-J4R7M-C10	CAPACITOR E/ALUMINUM T 50V 4.7μF M 5×11
C111	CFMT-N104J-JK0	CAPACITOR F/POLYESTR T 100V 0.10μF J 12.1×14
C112	CFMT-N104J-JK0	CAPACITOR F/POLYESTR T 100V 0.10μF J 12.1×14
C113	CEET-D101M-CI0	CAPACITOR E/ALUMINUM T 10V 100μF M 5×11
C114	CCCT-J222K-0DB	CAPACITOR CERAMIC T 50V 2200PF K B
C115	CCCT-J472K-0FB	CAPACITOR CERAMIC T 50V 4700PF K B
C116	CFMT-N272J-DJ0	CAPACITOR F/POLYESTR T 100V 0.027μF J 5.7×12
C117	CCCT-J103Z-0DF	CAPACITOR CERAMIC T 50V 0.01μF Z F
C118	CEET-JR47M-CI0	CAPACITOR E/ALUMINUM T 50V 0.47μF M 5×11
C119	CFMT-N103J-EK0	CAPACITOR F/POLYESTR T 100V 0.010μF J 6.8×13
C120	CFMT-N103J-EK0	CAPACITOR F/POLYESTR T 100V 0.010μF J 6.8×13
C122	CFMT-J472K-0FB	CAPACITOR CERAMIC T 50V 4700PF K B
C123	CCCT-J102K-0BB	CAPACITOR CERAMIC T 50V 1000PF K B
C123	YVAP-0621B-003	POLY-BAG
C124	CEET-D101M-CI0	CAPACITOR E/ALUMINUM T 10V 100μF J 5×11
C125	CCCT-J103Z-0DF	CAPACITOR CERAMIC T 50V 0.01μF J F
C126	CEET-D101M-CI0	CAPACITOR E/ALUMINUM T 10V 100μF M 5×11
C127	CFMT-N333J-FK0	CAPACITOR F/POLYESTR T 100V 0.033μF J 8.1×13
C128	CEET-D101M-CI0	CAPACITOR E/ALUMINUM T 10V 100μF M 5×11
C129	CEET-D101M-CI0	CAPACITOR E/ALUMINUM T 10V 100μF M 5×11
C130	CEET-E101M-DI0	CAPACITOR E/ALUMINUM T 16V 100μF M 6.3×11
C131	CEET-E101M-DI0	CAPACITOR E/ALUMINUM T 16V 100μF M 6.3×11
C132	CEET-E101M-DI0	CAPACITOR E/ALUMINUM T 16V 100μF M 6.3×11
C133	CEET-E101M-DI0	CAPACITOR E/ALUMINUM T 16V 100μF M 6.3×11
C135	CEET-JR33M-CI0	CAPACITOR E/ALUMINUM T 50V 0.33μF M 5×11
C201	CEET-JR47M-CI0	CAPACITOR E/ALUMINUM T 50V 0.47μF M 5×11
C202	CFMT-N333J-FK0	CAPACITOR F/POLYESTR T 100V 0.033μF J 8.1×13
C203	CCCT-J102K-0BB	CAPACITOR CERAMIC T 50V 1000PF K B
C204	CEET-F330M-CI0	CAPACITOR E/ALUMINUM T 25V 33μF M 5×11
C205	CCCT-J472K-0FB	CAPACITOR CERAMIC T 50V 4700PF K B

IV. PARTS LIST

Ref. No.	Part No.	Description
C206	CEET-J4R7M-CI0	CAPACITOR E/ALUMINUM T 50V 4.7μF M 5×11
C207	CEET-J1ROM-CI0	CAPACITOR E/ALUMINUM T 50V 1.0μF M 5×11
C208	CCCT-J103Z-0DF	CAPACITOR CERAMIC T 50V 0.01μF Z F
C209	CEET-D101M-CI0	CAPACITOR E/ALUMINUM T 10V 100μF M 5×11
C213	CEET-D221M-DI0	CAPACITOR E/ALUMINUM T 10V 220μF M 6.3×11
C214	CEET-D101M-CI0	CAPACITOR E/ALUMINUM T 10V 100μF M 5×11
C215	CCCT-J103Z-0DF	CAPACITOR CERAMIC T 50V 0.01μF Z F
C216	CEET-J4R7M-CI0	CAPACITOR E/ALUMINUM T 50V 4.7μF M 5×11
C217	CCTT-J5R0C-0BZ	CAPACITOR CERAMIC T 50V 5PF C SL
C218	CCTT-J5R0C-0BZ	CAPACITOR CERAMIC T 50V 5PF C SL
C219	CCTT-J103Z-0DF	CAPACITOR CERAMIC T 50V 0.01PF Z F
C231	CEET-J4R7M-CI0	CAPACITOR E/ALUMINUM T 50V 4.7μF M 5×11
C301	CFMT-N153J-EK0	CAPACITOR F/POLYESTR T 100V 0.015μF J 7.1×13
C302	CFMT-N153J-EK0	CAPACITOR F/POLYESTR T 100V 0.015μF J 7.1×13
C303	CFMT-N222J-CJ0	CAPACITOR F/POLYESTR T 100V 0.0022μF J 5.5×12
C304	CFMT-N222J-CJ0	CAPACITOR F/POLYESTR T 100V 0.0022μF J 5.5×12
C305	CEET-G100M-CI0	CAPACITOR E/ALUMINUM T 35V 10μF M 5×11
C306	CEET-G100M-CI0	CAPACITOR E/ALUMINUM T 35V 10μF M 5×11
C307	CFMT-N682J-DJ0	CAPACITOR F/POLYESTR T 100V 0.0068μF J 5.8×12
C308	CFMT-N682J-DJ0	CAPACITOR F/POLYESTR T 100V 0.0068μF J 5.8×12
C309	CEET-J3R3M-CI0	CAPACITOR E/ALUMINUM T 50V 3.3μF M 5×11
C310	CEET-E221M-FI0	CAPACITOR E/ALUMINUM T 16V 220μF M 8×11.5
C311	CCCT-J104Z-0FF	CAPACITOR CERAMIC T 50V 0.1μF Z F
C320	CEET-F470M-CI0	CAPACITOR E/ALUMINUM T 25V 47μF M 5×11
C321	CEET-F470M-CI0	CAPACITOR E/ALUMINUM T 25V 47μF M 5×11
C401	CCCT-J103Z-0DF	CAPACITOR CERAMIC T 50V 0.1μF Z F
C402	CCCT-J103Z-0DF	CAPACITOR CERAMIC T 50V 0.01μF Z F
C403	CCCT-J103Z-0DF	CAPACITOR CERAMIC T 50V 0.01μF Z F
C404	CCCT-J103Z-0DF	CAPACITOR CERAMIC T 50V 0.01μF Z F
C405	CCCT-J103Z-0DF	CAPACITOR CERAMIC T 50V 0.01μF Z F
C406	CCCT-J103Z-0DF	CAPACITOR CERAMIC T 50V 0.01μF Z F
C407	CEET-E222M-JP1	CAPACITOR E/ALUMINUM C 16V 2200μF M 12.5×25
C408	CEEC-E222M-JP1	CAPACITOR E/ALUMINUM C 16V 2200μF M 12.5×25
C409	CEET-J221M-HL1	CAPACITOR E/ALUMINUM C 50V 220μF M 10×16 U
C410	CEET-D101M-CI0	CAPACITOR E/ALUMINUM T 10V 100μF M 5×11
C411	CCCT-J104Z-0FF	CAPACITOR CERAMIC T 50V 0.1μF Z F
C412	CEET-D101M-CI0	CAPACITOR E/ALUMINUM T 10V 100μF M 5×11
C413	CCCT-J104Z-0FF	CAPACITOR CERAMIC T 50V 0.1μF Z F
C414	CEET-F470M-CI0	CAPACITOR E/ALUMINUM T 25V 47μF M 5×11
C415	CEET-F470M-CI0	CAPACITOR E/ALUMINUM T 25V 47μF M 5×11
C416	CEET-G100M-CI0	CAPACITOR E/ALUMINUM T 35V 10μF M 5×11
C417	CCCT-J104Z-0FF	CAPACITOR CERAMIC T 50V 0.1μF Z F
C501	CCCT-J103Z-0DF	CAPACITOR CERAMIC T 50V 0.01μF Z F
C502	CEET-D101M-CI0	CAPACITOR E/ALUMINUM T 10V 100μF M 5×11
C503	CEET-G100M-CI0	CAPACITOR E/ALUMINUM T 35V 10μF M 5×11
C504	CCCT-J300J-0BZ	CAPACITOR CERAMIC T 50V 30PF J SL
C505	CCCT-J300J-0BZ	CAPACITOR CERAMIC T 50V 30PF J SL
C506	CCCT-J103Z-0DF	CAPACITOR CERAMIC T 50V 0.01μF Z F
C510	CCCT-J561K-0BB	CAPACITOR CERAMIC T 50V 560PF K B
C511	CEET-G100M-CI0	CAPACITOR E/ALUMINUM T 35V 10μF M 5×11
C512	CCCT-J104Z-0FF	CAPACITOR CERAMIC T 50V 0.1μF Z F
C513	CCCT-J222K-0DB	CAPACITOR CERAMIC T 50V 2200PF K B
C514	CCCT-J222K-0DB	CAPACITOR CERAMIC T 50V 2200PF K B
C515	CCCT-J104Z-0FF	CAPACITOR CERAMIC T 50V 0.1μF Z F
C516	CCCT-J104Z-0FF	CAPACITOR CERAMIC T 50V 0.1μF Z F
D101	DDTS-00060-SO0	DIODE-SI T DO-40 1SS131 (90V 0.13A)
D102	DDTS-00060-SO0	DIODE-SI T DO-40 1SS131 (90V 0.13A)
D103	DDTS-00060-SO0	DIODE-SI T DO-40 1SS131 (90V 0.13A)
D104	DDTS-00060-SO0	DIODE-SI T DO-40 1SS131 (90V 0.13A)
D201	DDTS-00060-SO0	DIODE-SI T DO-40 1SS131 (90V 0.13A)
D202	DDTS-00060-SO0	DIODE-SI T DO-40 1SS131 (90V 0.13A)
D203	DDTS-00060-SO0	DIODE-SI T DO-40 1SS131 (90V 0.13A)
D301	DDTS-00060-SO0	DIODE-SI T DO-40 1SS131 (90V 0.13A)
D302	DDTS-00060-SO0	DIODE-SI T DO-40 1SS131 (90V 0.13A)
D303	DDTZ-G075B-SO0	DIODE-ZENER T DO-40 MTZ7.5B 7.07-7.45
D401	DDTR-00040-T10	DIODE-RECTIFIER T DO-41 1N4004 (400V 1A)
D402	DDTR-00040-T10	DIODE-RECTIFIER T DO-41 1N4004 (400V 1A)
D403	DDTR-00040-T10	DIODE-RECTIFIER T DO-41 1N4004 (400V 1A)

IV. PARTS LIST

Ref. No.	Part No.	Description
D404	DDTR-00040-T10	DIODE-RECTIFIER T DO-41 1N4004 (400V 1A)
D406	DDTZ-G082C-SO0	DIODE-ZENER T DO-40 MTZ8.2C 8.03-8.45
D407	DDTZ-G082C-SO0	DIODE-ZENER T DO-40 MTZ8.2C 8.03-8.45
D410	DDTZ-G300D-SO0	DIODE-ZENER T DO-40 MTZ30D 29.02-30.51
D415	DDTR-00040-T10	DIODE-RECTIFIER T DO-41 1N4004 (400V 1A)
D416	DDTR-00040-T10	DIODE-RECTIFIER T DO-41 1N4004 (400V 1A)
D417	DDTZ-G056B-SO0	DIODE-ZENER T DO-40 MTZ5.6B 5.45-5.73
D418	DDTR-00040-T10	DIODE-RECTIFIER T DO-41 1N4004 (400V 1A)
D504	DDTS-00060-SO0	DIODE-SI T DO-40 1SS131 (90V 0.13A)
D505	DDTS-00060-SO0	DIODE-SI T DO-40 ISS131 (90V 0.13A)
D506	DDTS-00060-SO0	DIODE-SI T DO-40 ISS131 (90V 0.13A)
D507	DDTS-00060-SO0	DIODE-SI T DO-40 ISS131 (90V 0.13A)
D508	DDTS-00060-SO0	DIODE-SI T DO-40 ISS131 (90V 0.13A)
IC101	ICLN-01340-SEO	IC RF AMP FOR CDP SOP30 KA9201D
IC102	ICLN-01330-SEO	IC SIGNAL PROCESSOR FQP48 KA8309
IC201	ICDG-00850-SEO	IC SIGNAL PROCESSOR QFP80 KS9211
IC202	ICDG-00681-S1O	IC 8 D/F+16BIT D/A SOP23 LC7883KM
IC301	ICOP-00130-SEO	IC DUAL OP AMP SIP 9 KA4558S
IC302	ICOP-00130-SEO	IC DUAL OP AMP SIP 9 KA4558S
IC401	ICRG-00040-SEO	IC REGULATOR TO-220 KA7805C
IC402	ICRG-00220-SEO	IC REGULATOR TO-92 MC79L05 -5V
IC501	ICMP-00680-SAO	IC UCOMPUTER FP-64 HD614089FD69
MP001	MPAC-03811-004	TERMINAL-GND
Q101	TRTC-0039Y-SD0	TRANSISTOR N-H FREQ TO92L KTC3205-Y
Q102	TRTA-0012Y-SD0	TRANSISTOR P-H FREQ TO92L KTA1273-Y
Q103	TRTC-0039Y-SD0	TRANSISTOR N-H FREQ TO92L KTC3205-Y
Q104	TRTC-0012Y-SD0	TRANSISTOR P-H FREQ TO92L KTC1273-Y
Q105	TRTC-0039Y-SD0	TRANSISTOR N-H FREQ TO92L KTC3205-Y
Q106	TRTA-0012Y-SD0	TRANSISTOR P-H FREQ TO92L KTC1273-Y
Q107	TRTC-0039Y-SD0	TRANSISTOR N-H FREQ TO92L KTC3205-Y
Q108	TRTA-0012Y-SD0	TRANSISTOR P-H FREQ TO92L KTA1273-Y
Q109	TRTA-0012Y-SD0	TRANSISTOR P-H FREQ TO92L KTA1273-Y
Q110	TRTA-0012Y-SD0	TRANSISTOR P-H FREQ TO92L KTA1273-Y
Q111	TRTC-0016G-SD0	TRANSISTOR N-H FREQ TO92 KTA3198-GR
Q112	TRTC-0016G-SD0	TRANSISTOR N-H FREQ TO92 KTA3198-GR
Q113	TRTA-0008G-SD0	TRANSISTOR P-H FREQ TO92 KTA1266-GR
Q201	TRTA-0016G-SD0	TRANSISTOR N-H FREQ TO92 KTC3198-GR
Q301	TRTA-0008G-SD0	TRANSISTOR P-H FREQ TO92 KTA1266-GR
Q406	TRTA-0008G-SD0	TRANSISTOR P-H FREQ TO92 KTA1266-GR
Q407	TRTC-0016G-SD0	TRANSISTOR N-H FREQ TO92 KTA3198-GR
Q503	TRTC-0062E-S0S	TRANSISTOR N-H FREQ TO92M DTC114E-S W/RESIST
Q504	TRTC-0062E-S0S	TRANSISTOR N-H FREQ TO92M DTC114E-S W/RESIST
Q505	TRTC-0062E-S0S	TRANSISTOR N-H FREQ TO92M DTC114E-S W/RESIST
Q506	TRTC-0062E-S0S	TRANSISTOR N-H FREQ TO92M DTC114E-S W/RESIST
Q507	TRTA-0008G-SD0	TRANSISTOR N-H FREQ TO92 KTA1266-GR
Q508	TRTD-00200-SD0	TRANSISTOR N-L FREQ TO92 KTD-1302
Q509	TRTD-00200-SD0	TRANSISTOR N-L FREQ TO92 KTD-1302
Q520	TRTC-0062E-S0S	TRANSISTOR N-H FREQ TO92M DTC114E-S W/RESIST
R101	RCFT-E2R2J-000	RESISTOR-CARBON FILM T 1/5W 2.2ohm 5%
R102	RCFT-E224J-000	RESISTOR-CARBON FILM T 1/5W 220Kohm 5%
R103	RCFT-E2R2J-000	RESISTOR-CARBON FILM T 1/5W 2.2ohm 5%
R104	RCFT-E683J-000	RESISTOR-CARBON FILM T 1/5W 68Kohm 5%
R105	RCFT-E2R2J-000	RESISTOR-CARBON FILM T 1/5W 2.2ohm 5%
R106	RCFT-E2R2J-000	RESISTOR-CARBON FILM T 1/5W 2.2ohm 5%
R107	RCFT-E104J-000	RESISTOR-CARBON FILM T 1/5W 100Kohm 5%
R108	RCFT-E822J-000	RESISTOR-CARBON FILM T 1/5W 8.2Kohm 5%
R109	RCFT-E473J-000	RESISTOR-CARBON FILM T 1/5W 47ohm 5%
R110	RCFT-E223J-000	RESISTOR-CARBON FILM T 1/5W 22Kohm 5%
R111	RCFT-E223J-000	RESISTOR-CARBON FILM T 1/5W 22Kohm 5%
R112	RCFT-E182J-000	RESISTOR-CARBON FILM T 1/5W 1.8Kohm 5%
R113	RCFT-E182J-000	RESISTOR-CARBON FILM T 1/5W 1.8Kohm 5%
R114	RCFT-E101J-000	RESISTOR-CARBON FILM T 1/5W 100ohm 5%
R115	RCFT-E101J-000	RESISTOR-CARBON FILM T 1/5W 100ohm 5%
R116	RCFT-E474J-000	RESISTOR-CARBON FILM T 1/5W 470ohm 5%
R117	RCFT-E473J-000	RESISTOR-CARBON FILM T 1/5W 47Kohm 5%
R118	RCFT-E124J-000	RESISTOR-CARBON FILM T 1/5W 120ohm 5%
R119	RCFT-E473J-000	RESISTOR-CARBON FILM T 1/5W 47Kohm 5%
R120	RCFT-E273J-000	RESISTOR-CARBON FILM T 1/5W 27Kohm 5%
R121	RCFT-E153J-000	RESISTOR-CARBON FILM T 1/5W 15Kohm 5%

IV. PARTS LIST

Ref. No.	Part No.	Description
R123	RCFT-E472J-000	RESISTOR-CARBON FILM T 1/5W 4.7Kohm 5%
R124	RCFT-E103J-000	RESISTOR-CARBON FILM T 1/5W 10Kohm 5%
R125	RCFT-E103J-000	RESISTOR-CARBON FILM T 1/5W 10Kohm 5%
R126	RCFT-E102J-000	RESISTOR-CARBON FILM T 1/5W 1Kohm 5%
R127	RCFT-E104J-000	RESISTOR-CARBON FILM T 1/5W 100Kohm 5%
R128	RCFT-E103J-000	RESISTOR-CARBON FILM T 1/5W 10Kohm 5%
R129	RCFT-E102J-000	RESISTOR-CARBON FILM T 1/5W 1Kohm 5%
R130	RCFT-E100J-000	RESISTOR-CARBON FILM T 1/5W 10ohm 5%
R131	RCFT-E102J-000	RESISTOR-CARBON FILM T 1/5W 1Kohm 5%
R132	RCFT-E102J-000	RESISTOR-CARBON FILM T 1/5W 1Kohm 5%
R133	RCFT-E104J-000	RESISTOR-CARBON FILM T 1/5W 100Kohm 5%
R134	RCFT-E823J-000	RESISTOR-CARBON FILM T 1/5W 82Kohm 5%
R198	RCFT-E473J-000	RESISTOR-CARBON FILM T 1/5W 47Kohm 5%
R199	RCFT-E223J-000	RESISTOR-CARBON FILM T 1/5W 22Kohm 5%
R201	RCFT-E104J-000	RESISTOR-CARBON FILM T 1/5W 100Kohm 5%
R202	RCFT-E105J-000	RESISTOR-CARBON FILM T 1/5W 1Kohm 5%
R203	RCFT-E123J-000	RESISTOR-CARBON FILM T 1/5W 12Kohm 5%
R204	RCFT-E104J-000	RESISTOR-CARBON FILM T 1/5W 100Kohm 5%
R205	RCFT-E242J-000	RESISTOR-CARBON FILM T 1/5W 2.4Kohm 5%
R206	RCFT-E154J-000	RESISTOR-CARBON FILM T 1/5W 150Kohm 5%
R207	RCFT-E103J-000	RESISTOR-CARBON FILM T 1/5W 10Kohm 5%
R208	RCFT-E104J-000	RESISTOR-CARBON FILM T 1/5W 100Kohm 5%
R209	RCFT-E104J-000	RESISTOR-CARBON FILM T 1/5W 100Kohm 5%
R210	RCFT-E104J-000	RESISTOR-CARBON FILM T 1/5W 100Kohm 5%
R211	RCFT-E223J-000	RESISTOR-CARBON FILM T 1/5W 22Kohm 5%
R212	RCFT-E103J-000	RESISTOR-CARBON FILM T 1/5W 10Kohm 5%
R213	RCFT-E223J-000	RESISTOR-CARBON FILM T 1/5W 22Kohm 5%
R214	RCFT-E221J-000	RESISTOR-CARBON FILM T 1/5W 220Kohm 5%
R215	RCFT-E105J-000	RESISTOR-CARBON FILM T 1/5W 1Kohm 5%
R216	RCFT-E102J-000	RESISTOR-CARBON FILM T 1/5W 1Kohm 5%
R231	RCFT-E102J-000	RESISTOR-CARBON FILM T 1/5W 1Kohm 5%
R301	RCFT-E101J-000	RESISTOR-CARBON FILM T 1/5W 100ohm 5%
R302	RCFT-E101J-000	RESISTOR-CARBON FILM T 1/5W 100ohm 5%
R303	RCFT-E332J-000	RESISTOR-CARBON FILM T 1/5W 3.3Kohm 5%
R304	RCFT-E332J-000	RESISTOR-CARBON FILM T 1/5W 3.3Kohm 5%
R305	RCFT-E122J-000	RESISTOR-CARBON FILM T 1/5W 1.2Kohm 5%
R306	RCFT-E122J-000	RESISTOR-CARBON FILM T 1/5W 1.2Kohm 5%
R307	RCFT-E102J-000	RESISTOR-CARBON FILM T 1/5W 1Kohm 5%
R308	RCFT-E102J-000	RESISTOR-CARBON FILM T 1/5W 1Kohm 5%
R309	RCFT-E471J-000	RESISTOR-CARBON FILM T 1/5W 470ohm 5%
R310	RCFT-E471J-000	RESISTOR-CARBON FILM T 1/5W 470ohm 5%
R311	RCFT-E471J-000	RESISTOR-CARBON FILM T 1/5W 470ohm 5%
R312	RCFT-E471J-000	RESISTOR-CARBON FILM T 1/5W 470ohm 5%
R313	RCFT-E223J-000	RESISTOR-CARBON FILM T 1/5W 22Kohm 5%
R314	RCFT-E223J-000	RESISTOR-CARBON FILM T 1/5W 22Kohm 5%
R315	RCFT-E221J-000	RESISTOR-CARBON FILM T 1/5W 220ohm 5%
R316	RCFT-E474J-000	RESISTOR-CARBON FILM T 1/5W 470Kohm 5%
R317	RCFT-E223J-000	RESISTOR-CARBON FILM T 1/5W 22Kohm 5%
R318	RCFT-E221J-000	RESISTOR-CARBON FILM T 1/5W 220ohm 5%
R319	RCFT-E152J-000	RESISTOR-CARBON FILM T 1/5W 1.5Kohm 5%
R320	RCFT-E104J-000	RESISTOR-CARBON FILM T 1/5W 100Kohm 5%
R401	RCFT-E101J-000	RESISTOR-CARBON FILM T 1/5W 100ohm 5%
R402	RCFT-E103J-000	RESISTOR-CARBON FILM T 1/5W 10Kohm 5%
R406	RCFT-E102J-000	RESISTOR-CARBON FILM T 1/5W 1Kohm 5%
R407	RCFT-E102J-000	RESISTOR-CARBON FILM T 1/5W 1Kohm 5%
R420	RCFT-E221J-000	RESISTOR-CARBON FILM T 1/5W 220ohm 5%
R421	RCFT-E103J-000	RESISTOR-CARBON FILM T 1/5W 10Kohm 5%
R514	RCFT-E472J-000	RESISTOR-CARBON FILM T 1/5W 4.7Kohm 5%
R515	RCFT-E472J-000	RESISTOR-CARBON FILM T 1/5W 4.7Kohm 5%
R516	RCFT-E153J-000	RESISTOR-CARBON FILM T 1/5W 15Kohm 5%
R517	RCFT-E153J-000	RESISTOR-CARBON FILM T 1/5W 15Kohm 5%
R518	RCFT-E153J-000	RESISTOR-CARBON FILM T 1/5W 15Kohm 5%
R519	RCFT-E153J-000	RESISTOR-CARBON FILM T 1/5W 15Kohm 5%
R520	RCFT-E153J-000	RESISTOR-CARBON FILM T 1/5W 15Kohm 5%
R521	RCFT-E103J-000	RESISTOR-CARBON FILM T 1/5W 10Kohm 5%
R522	RCFT-E103J-000	RESISTOR-CARBON FILM T 1/5W 10Kohm 5%
R523	RCFT-E104J-000	RESISTOR-CARBON FILM T 1/5W 100Kohm 5%
R524	RCFT-E105J-000	RESISTOR-CARBON FILM T 1/5W 1Kohm 5%

IV. PARTS LIST

Ref. No.	Part No.	Description
R550	RCFT-E153J-000	RESISTOR-CARBON FILM T 1/5W 15Kohm 5%
R551	RCFT-E153J-000	RESISTOR-CARBON FILM T 1/5W 15Kohm 5%
R552	RCFT-E153J-000	RESISTOR-CARBON FILM T 1/5W 15Kohm 5%
R553	RCFT-E332J-000	RESISTOR-CARBON FILM T 1/5W 3.3Kohm 5%
R554	RCFT-E153J-000	RESISTOR-CARBON FILM T 1/5W 15Kohm 5%
R555	RCFT-E153J-000	RESISTOR-CARBON FILM T 1/5W 15Kohm 5%
R556	RCFT-E153J-000	RESISTOR-CARBON FILM T 1/5W 15Kohm 5%
R557	RCFT-E153J-000	RESISTOR-CARBON FILM T 1/5W 15Kohm 5%
R558	RCFT-E332J-000	RESISTOR-CARBON FILM T 1/5W 3.3Kohm 5%
R559	RCFT-E332J-000	RESISTOR-CARBON FILM T 1/5W 3.3Kohm 5%
R560	RCFT-E332J-000	RESISTOR-CARBON FILM T 1/5W 3.3Kohm 5%
R561	RCFT-E332J-000	RESISTOR-CARBON FILM T 1/5W 3.3Kohm 5%
R562	RCFT-E332J-000	RESISTOR-CARBON FILM T 1/5W 3.3Kohm 5%
R563	RCFT-E153J-000	RESISTOR-CARBON FILM T 1/5W 15Kohm 5%
R564	RCFT-E153J-000	RESISTOR-CARBON FILM T 1/5W 15Kohm 5%
R566	RCFT-E153J-000	RESISTOR-CARBON FILM T 1/5W 15Kohm 5%
R570	RCFT-E102J-000	RESISTOR-CARBON FILM T 1/5W 1Kohm 5%
R571	RCFT-E153J-000	RESISTOR-CARBON FILM T 1/5W 15Kohm 5%
R579	RCFT-E105J-000	RESISTOR-CARBON FILM T 1/5W 1Kohm 5%
TP1	KNCW-00170-2T9	CONNECTOR-WAFER FW-0640-2 2.5mm WHT
TP2	KNCW-00170-2T9	CONNECTOR-WAFER FW-0640-2 2.5mm WHT
TP5	KNCW-00170-2T9	CONNECTOR-WAFER FW-0640-2 2.5mm WHT
TP6	MMAC-07350-004	TERMINAL-PIN 1×1×16
VR101	VFEB-A001B-223	RESISTOR-SEMI FIXED EVN DXA AO3 BE4 22Kohm
VR102	VFEB-A001B-223	RESISTOR-SEMI FIXED EVN DXA AO3 BE4 22Kohm
VR103	VFEB-A001B-223	RESISTOR-SEMI FIXED EVN DXA AO3 BE4 22Kohm
VR104	VFEB-A001B-223	RESISTOR-SEMI FIXED EVN DXA AO3 BE4 22Kohm
VR106	VFEB-A001B-102	RESISTOR-SEMI FIXED EVN DXA AO3 B13 1Kohm
VT001	VFVT-00030-46B	VOLTAGE TRANS A48-103L-0 48m/m PIN TYPE
Z201	KTAL-00072-169	CRYSTAL HC-49U 16.9344MHz
Z501	KTRE-00051-040	RESONATOR CSA4.00MG 4MHz

10. CDP FRONT P.C BOARD

Ref. No.	Part No.	Description
D501	DDTS-00060-SO0	DIODE-SI T DO-40 1SS131 (90V 0.13A)
D502	DDTS-00060-SO0	DIODE-SI T DO-40 1SS131 (90V 0.13A)
D503	DDTS-00060-SO0	DIODE-SI T DO-40 1SS131 (90V 0.13A)
D504	DDTS-G056B-SO0	DIODE ZENER T DO-40 MTZ5.6B 5.45-5.73
FL501	DPFL-00240-00P	DISPLAY-FLUORSCENT CDP SVA-11MS02
Q501	TRTA-0008G-SD0	TRANSISTOR P-H FREQ TO92 KTA1266-GR
Q502	TRTC-0016G-SD0	TRANSISTOR N-H FREQ TO92 KTC3198-GR
R501	RCFT-E153J-000	RESISTOR-CARBON FILM T 1/5W 15Kohm 5%
R502	RCFT-E153J-000	RESISTOR-CARBON FILM T 1/5W 15Kohm 5%
R503	RCFT-E153J-000	RESISTOR-CARBON FILM T 1/5W 15Kohm 5%
R504	RCFT-E104J-000	RESISTOR-CARBON FILM T 1/5W 100Kohm 5%
R505	RCFT-E104J-000	RESISTOR-CARBON FILM T 1/5W 100Kohm 5%
R506	RCFT-E104J-000	RESISTOR-CARBON FILM T 1/5W 100Kohm 5%
R507	RCFT-E104J-000	RESISTOR-CARBON FILM T 1/5W 100Kohm 5%
R508	RCFT-E103J-000	RESISTOR-CARBON FILM T 1/5W 10Kohm 5%
R509	RCFT-E103J-000	RESISTOR-CARBON FILM T 1/5W 10Kohm 5%
R510	RCFT-E103J-000	RESISTOR-CARBON FILM T 1/5W 10Kohm 5%
R511	RCFT-E103J-000	RESISTOR-CARBON FILM T 1/5W 10Kohm 5%
R512	RCFT-E221J-000	RESISTOR-CARBON FILM T 1/5W 220ohm 5%
R513	RCFT-E221J-000	RESISTOR-CARBON FILM T 1/5W 220ohm 5%
SW501	SWTA-00220-060	SWITCH-TACT SKHV10910 12V 50mA
SW502	SWTA-00220-060	SWITCH-TACT SKHV10910 12V 50mA
SW503	SWTA-00220-060	SWITCH-TACT SKHV10910 12V 50mA
SW504	SWTA-00220-060	SWITCH-TACT SKHV10910 12V 50mA
SW505	SWTA-00220-060	SWITCH-TACT SKHV10910 12V 50mA
SW506	SWTA-00220-060	SWITCH-TACT SKHV10910 12V 50mA
SW507	SWTA-00220-060	SWITCH-TACT SKHV10910 12V 50mA
SW508	SWTA-00220-060	SWITCH-TACT SKHV10910 12V 50mA
SW509	SWTA-00220-060	SWITCH-TACT SKHV10910 12V 50mA
SW510	SWTA-00220-060	SWITCH-TACT SKHV10910 12V 50mA

11. REMOCON PCB

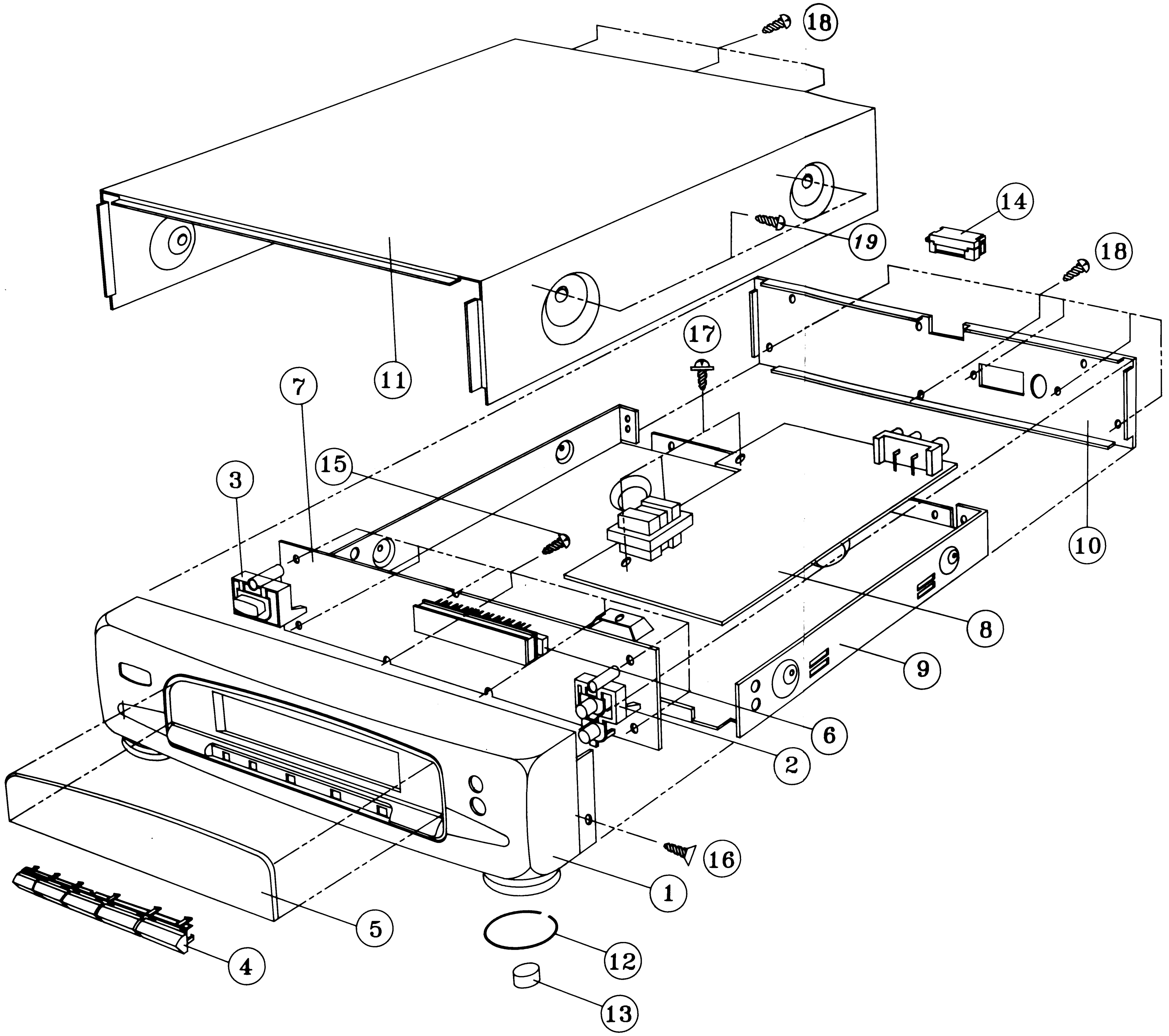
Ref. No.	Part No.	Description
	PCSE-01760-41B	PCB-SINGLE A4E-176 197×197×1.6t
C301	CCCT-J221K-0BB	CAPACITOR CERAMIC T 50V 220PF K B

IV. PARTS LIST

Ref. No.	Part No.	Description
C302	CCCT-J221K-0BB	CAPACITOR CERAMIC T 50V 220PF K B
C303	CEES-C470M-CE0	CAPACITOR E/ALUMINUM S 6.3V 47μF M 5×7
D301	DDTS-00030-SO0	DIODE-SI T DO-40 1S2471 (80V 0.12A)
D302	DDTS-00030-SO0	DIODE-SI T DO-40 1S2471 (80V 0.12A)
D303	DDTS-00030-SO0	DIODE-SI T DO-40 1S2471 (80V 0.12A)
IC301	ICMP-00220-S20	IC UCOMPUTER SOP24 UPD6122G-001
LD301	DPIR-00021-005	DOT-IR LED KLN 105B-B
Q301	TRTC-0016Y-SD0	TRANSISTOR N-H FREQ TO92 KTC3198-Y
R301	RCFT-E224J-000	RESISTOR-CARBON FILM T 1/5W 220Kohm 5%
R302	RCFT-E224J-000	RESISTOR-CARBON FILM T 1/5W 220Kohm 5%
R303	RCFT-E224J-000	RESISTOR-CARBON FILM T 1/5W 220Kohm 5%
R304	RCFT-E2R0J-000	RESISTOR-CARBON FILM T 1/5W 2ohm 5%
Z301	KTRE-00060-004	RESONATOR CSB455E 455KHz

IV. PART LIST

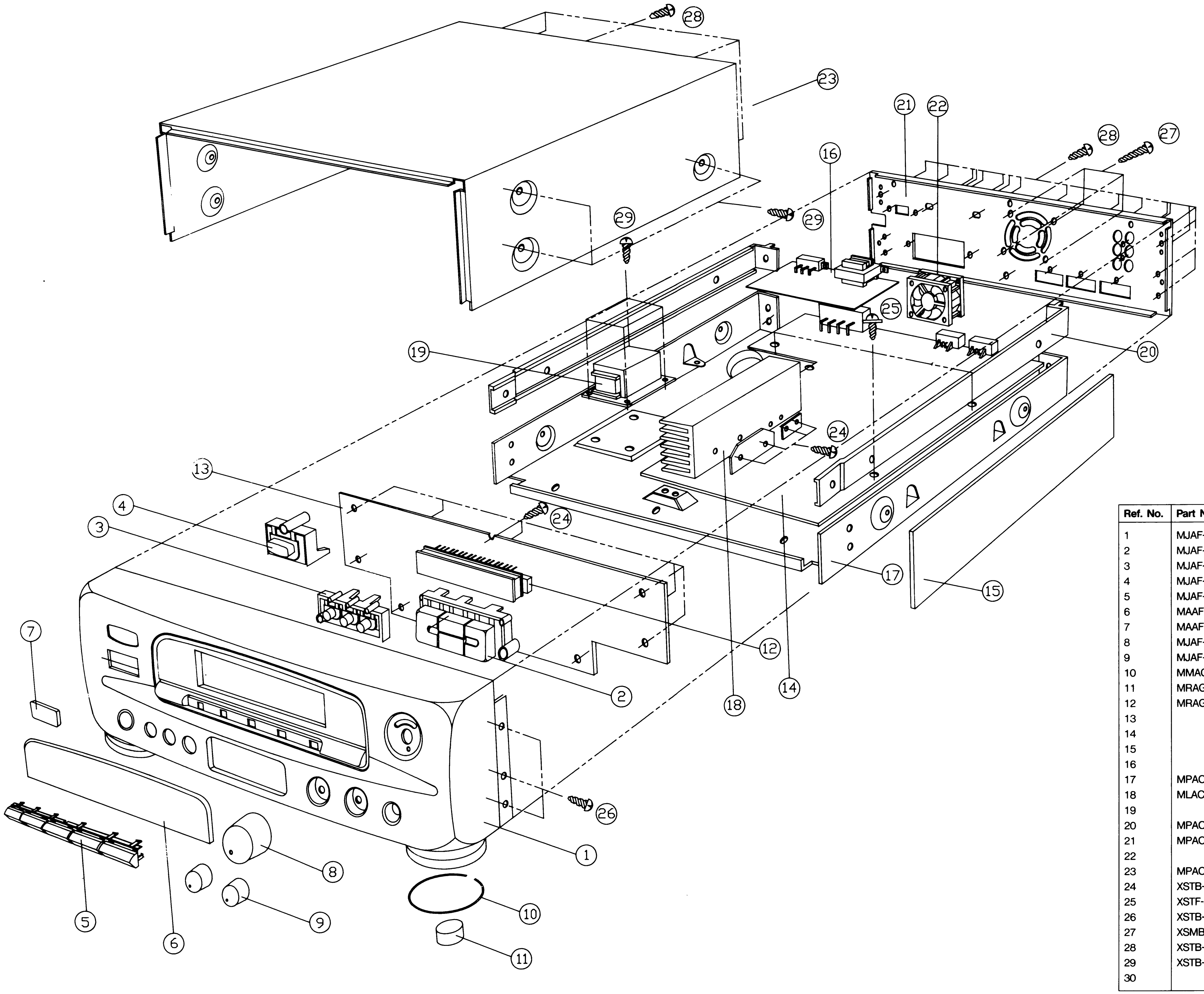
12. TUNER FINAL ASSEMBLY



Ref. No.	Part No.	Description
1	MJAF-02540-ZZ1	PANEL-FRONT
2	MJAF-09760-ZZ4	KNOB-TUNER
3	MJAF-09680-ZZ4	KNOB-BAND
4	MJAF-03680-ZZ3	KNOB-FUNCTION
5	MAAF-09690-ZZ4	WINDOW-TUNER
6	MRAG-09151-004	CUSHION-FLD
7		FRONT-PCB
8		MAIN-PCB
9	MPAC-02520-001	CHASSIS-BOTTOM
10	MPAC-02520-ZZ1	CHASSIS-BACK
11	MPAC-03380-ZZ3	CHASSIS-TOP
12	MMAC-11750-004	RING-FOOT
13	MRAG-00300-004	CUSHION-FOOT
14	MJAC-00370-003	BUSH-10P-CORD
15	XSTB-30100-ZY4	SCREW-TAPPING
16	XSTF-30060-ZB4	SCREW-TAPPING
17	XSTB-30080-ZY4	SCREW-TAPPING
18	XSTW-30080-ZB4	SCREW-TAPPING
19	XSTB-40080-ZB4	SCREW-TAPPING

IV. PART LIST

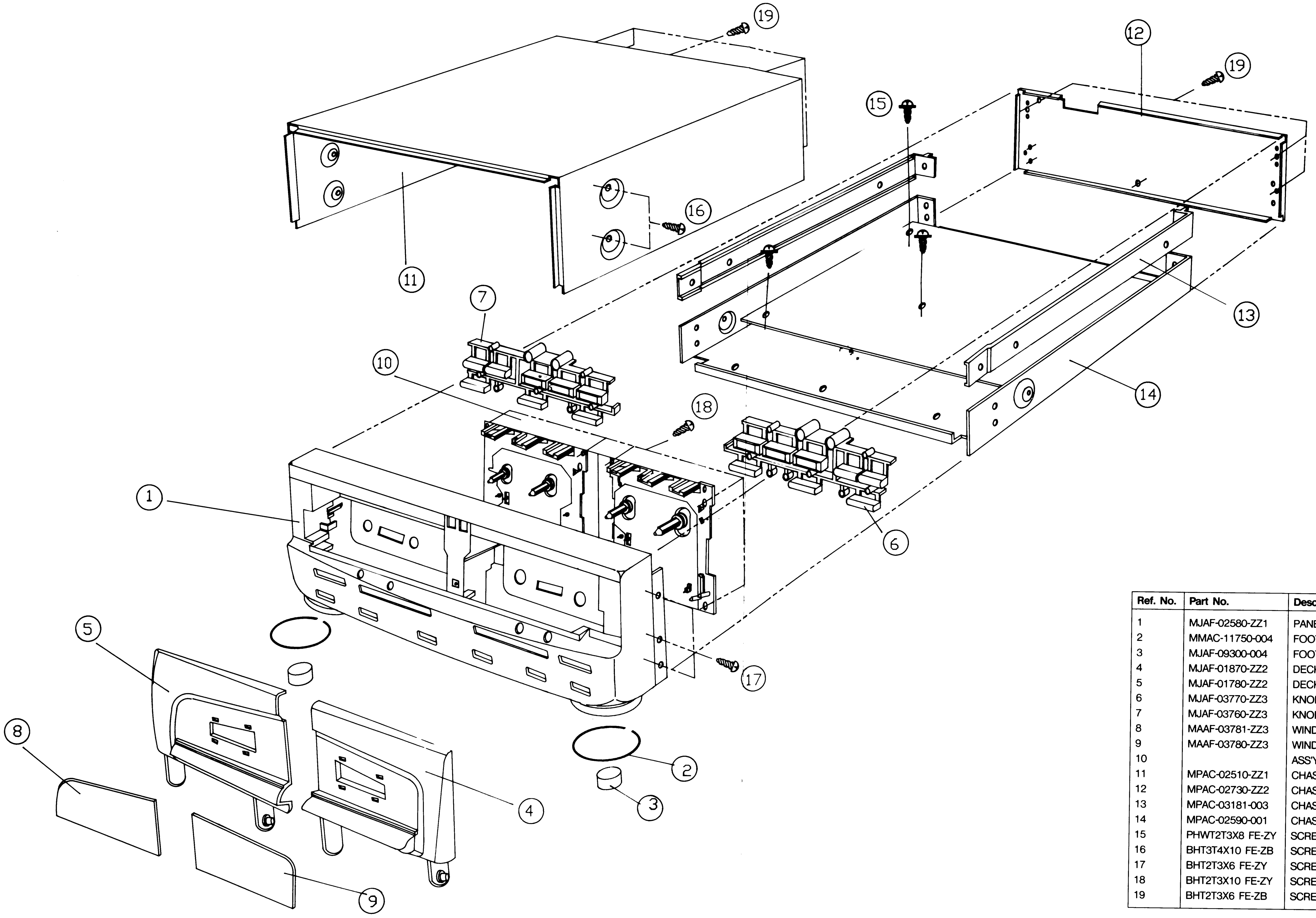
13. AMP FINAL ASSEMBLY



Ref. No.	Part No.	Description
1	MJAF-02550-ZZ1	PANEL-FRONT
2	MJAF-09710-ZZ4	KNOB-EQ (UP)
3	MJAF-09740-ZZ4	KNOB-MODE
4	MJAF-09670-ZZ4	KNOB-POWER
5	MJAF-03680-ZZ4	KNOB-FUNCTION
6	MAAF-09700-ZZ4	WINDOW-AMP
7	MAAF-10060-ZZ4	FILTER-REMOTE
8	MJAF-09730-ZZ4	KNOB-VOLUME
9	MJAF-09750-ZZ4	KNOB-BALANCE
10	MMAC-11750-004	FOOT-RING
11	MRAG-09300-004	CUSHION-FOOT
12	MRAG-09150-004	CUSHION-FLD
13		FRONT-PCB
14		MAIN-PCB
15		
16		
17	MPAC-02530-001	CHASSIS-BOTTOM
18	MLAC-03360-003	RADIATOR
19		P/T
20	MPAC-03181-003	CHASSIS-SIDE
21	MPAC-03370-ZZ3	CHASSIS-BACK
22		
23	MPAC-02510-ZZ1	CHASSIS-TOP
24	XSTB-30100-ZY4	SCREW-TAPPING
25	XSTF-30080-ZY4	SCREW-TAPPING
26	XSTB-30080-ZY4	SCREW-TAPPING
27	XSMB-40240-ZB0	SCREW-TAPPING
28	XSTB-30080-ZB4	SCREW-TAPPING
29	XSTB-40080-ZB4	SCREW-TAPPING
30		

IV. PART LIST

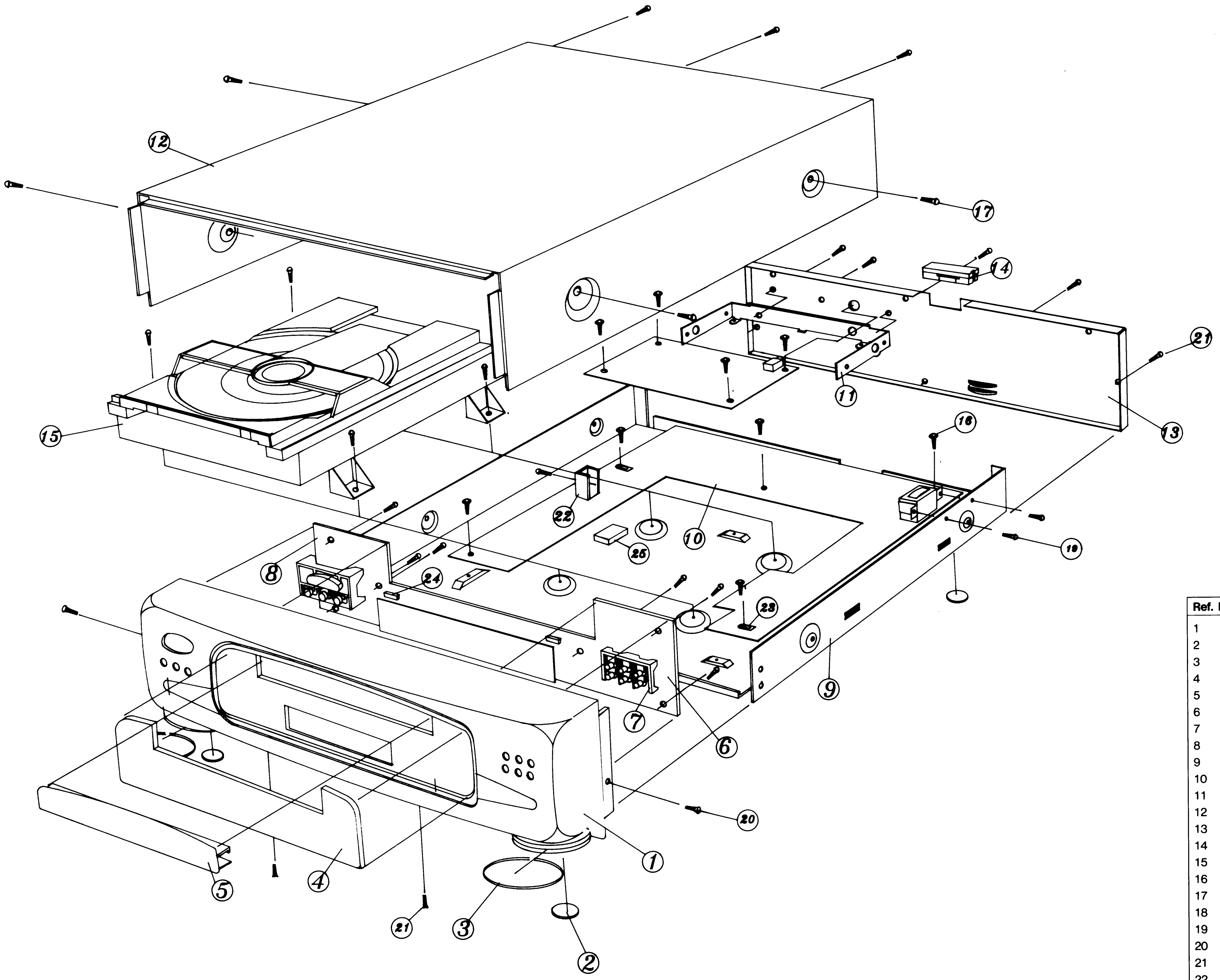
14. DECK FINAL ASSEMBLY



Ref. No.	Part No.	Description
1	MJAF-02580-ZZ1	PANEL-FRONT
2	MMAC-11750-004	FOOT-RING
3	MJAF-09300-004	FOOT-CUSHION
4	MJAF-01870-ZZ2	DECK-DOOR-R
5	MJAF-01780-ZZ2	DECK-DOOR-L
6	MJAF-03770-ZZ3	KNOB-DECK-R
7	MJAF-03760-ZZ3	KNOB-DECK-L
8	MAAF-03781-ZZ3	WINDOW-DOOR-L
9	MAAF-03780-ZZ3	WINDOW-DOOR-R
10		ASS'Y-MACHAISM
11	MPAC-02510-ZZ1	CHASSIS-TOP
12	MPAC-02730-ZZ2	CHASSIS-BACK
13	MPAC-03181-003	CHASSIS-SIDE
14	MPAC-02590-001	CHASSIS-BOTTOM
15	PHWT2T3X8 FE-ZY	SCREW TAPPING
16	BHT3T4X10 FE-ZB	SCREW TAPPING
17	BHT2T3X6 FE-ZY	SCREW TAPPING
18	BHT2T3X10 FE-ZY	SCREW TAPPING
19	BHT2T3X6 FE-ZB	SCREW TAPPING

IV. PART LIST

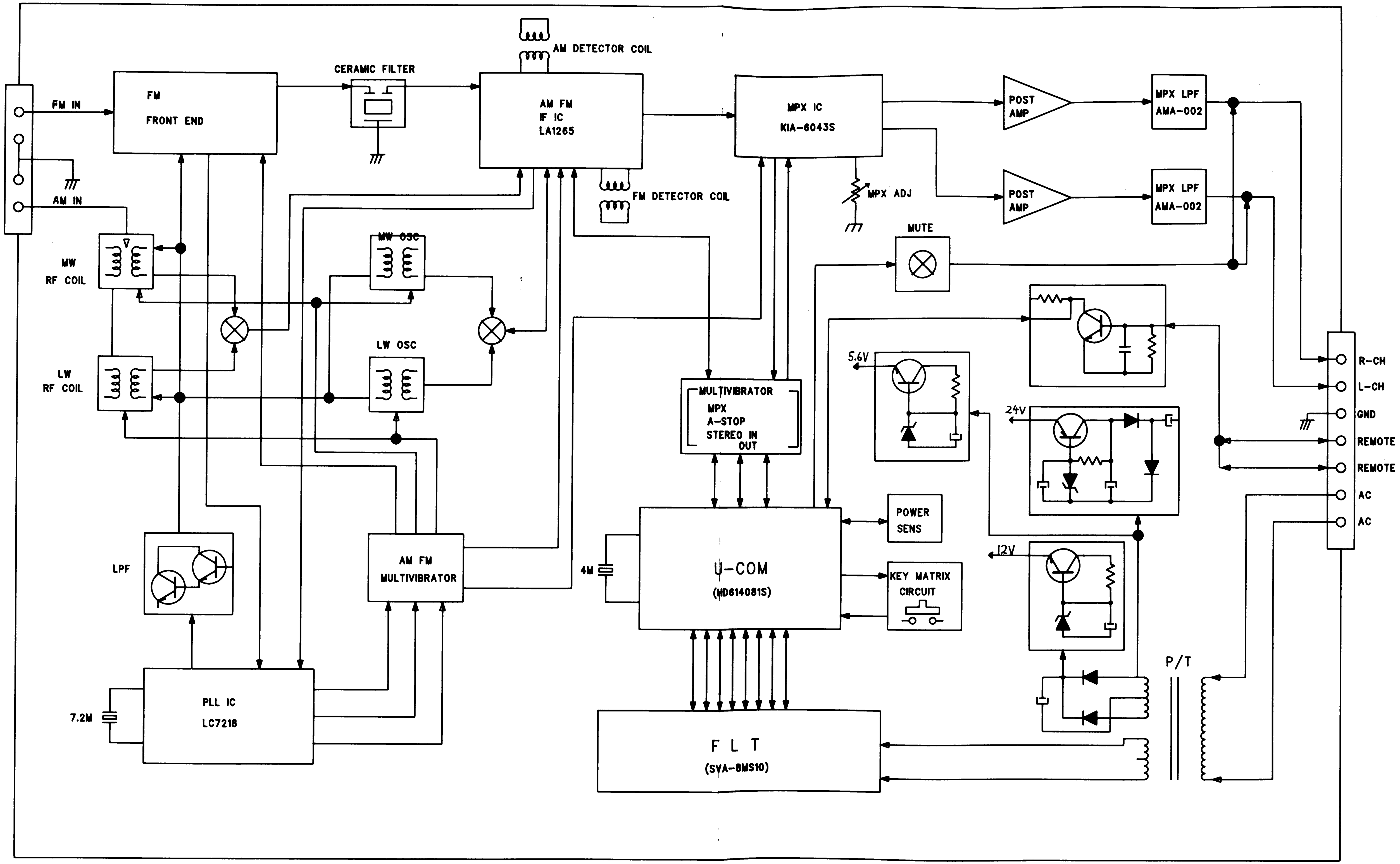
15. CDP FINAL ASSEMBLY



Ref. No.	Part No.	Description
1	MJAF-02570-ZZ1	PANELE-FRONT
2	MJAG-11750-004	FOOT-CUSHION
3	MMAC-11750-004	FOOT-RING
4	MAAF-03750-ZZS	WINDOW-CDP
5	MJAF-03720-ZZS	DOOR-CD
6	ASME-01920-00S	PCB-FRONT
7	MJAF-03730-ZZ3	KNOB-SKIP
8	MJAF-03740-ZZ3	KNOB-PLAY
9	MPAC-20600-001	CHASSIS-BOTTOM
10	A2ME-0190-002	PCB-MAIN
11	MPAC-11390-003	BRACKET-PCB (CDG)
12	MPAC-02500-ZZ1	CHASSIS-TOP
13	MPAC-03401-ZZ3	CHASSIS-BACK
14	MJAG-00370-00S	BUSH-10P. CODE
15	DECD-00110-00F	MECHA-CDP (CMS-M3A)
16	KSTS-30080-ZY4	SCRKW-TAPPING
17	KSTB-40080-ZB4	SCRKW-TAPPING
18	KSTB-30100-ZY4	SCRKW-TAPPING
19	KSTB-30080-ZY4	SCRKW-TAPPING
20	KSTF-30080-ZY4	SCRKW-TAPPING
21	SXTB-30080-ZB4	SCRKW-TAPPING
22	MEAC-03212-004	RADIATOR
23	MPAC-03811-004	TERMINAL-GND
24	MRAG-06160-004	RUBBER-CUSHION
25	MRAG-06720-004	RUBBER-CUSHION

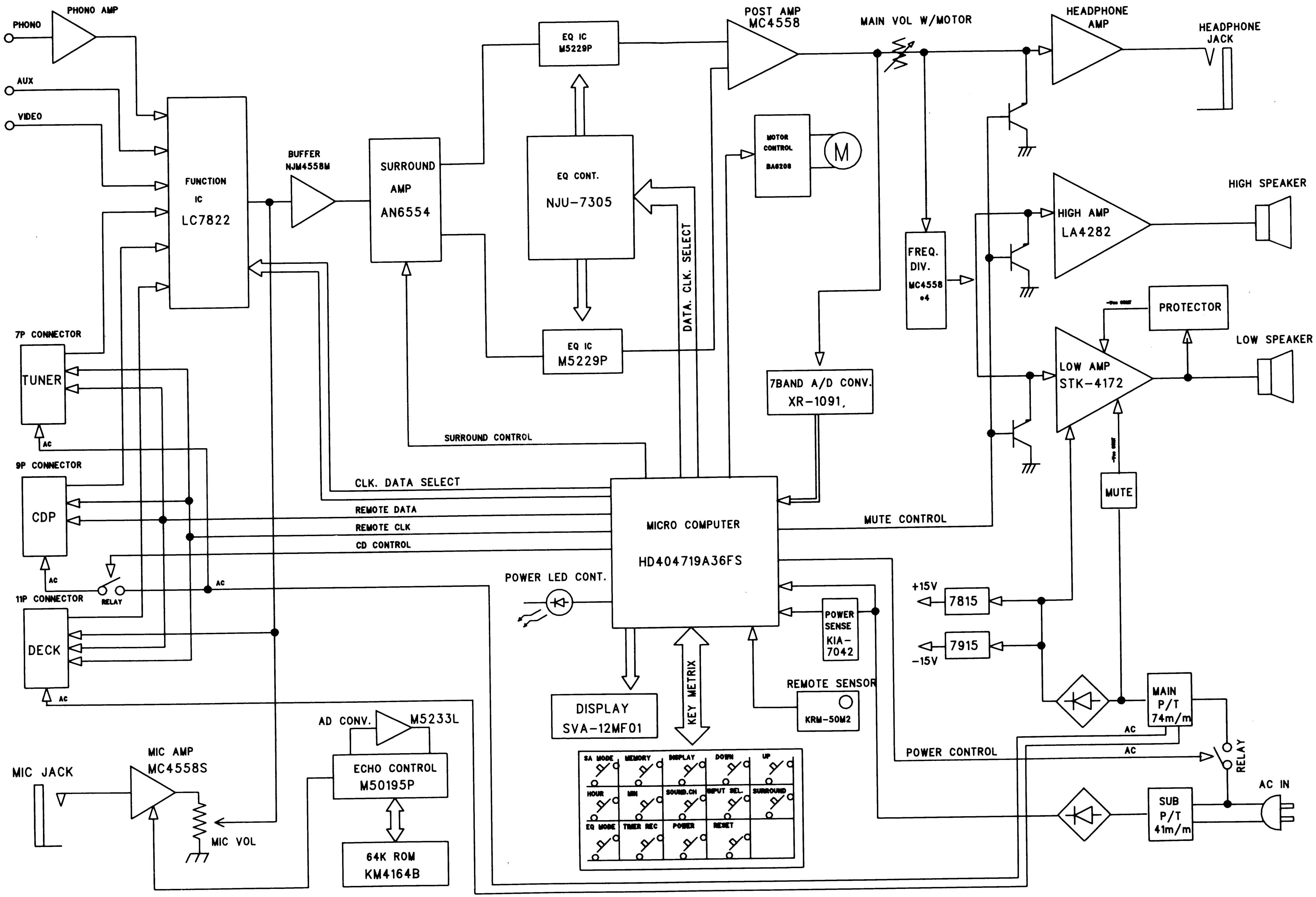
V. BLOCK DIAGRAM

5-1. TUNER


FM IN
AM IN
FM
FRONT END
CERAMIC FILTER
AM DETECTOR COIL
AM FM
IF IC
LA1265
FM DETECTOR COIL
MPX IC
KIA-6043S
MPX ADJ
POST
AMP
POST
AMP
MPX LPF
AMA-002
MPX LPF
AMA-002
MUTE
MW
RF COIL
MW OSC
LW OSC
LW
RF COIL
MULTIVIBRATOR
MPX
A-STOP
STEREO IN
OUT
5.6V
24V
12V
R-CH
L-CH
GND
REMOTE
REMOTE
AC
AC
POWER
SENS
U-COM
(HD614081S)
4M
KEY MATRIX
CIRCUIT
LPF
AM FM
MULTIVIBRATOR
PLL IC
LC7218
7.2M
FLT
(SVA-8MS10)
P/T

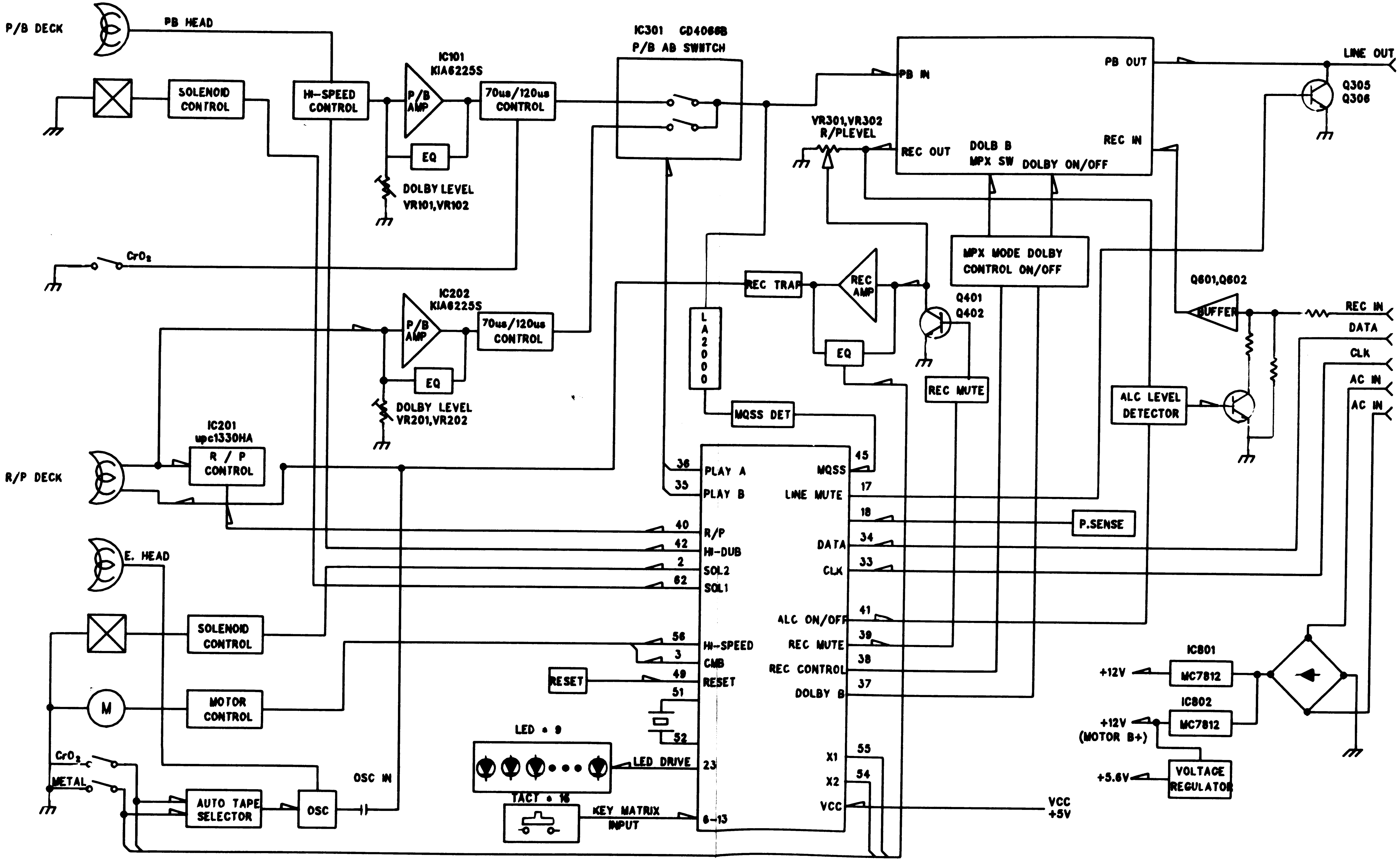
V. BLOCK DIAGRAM

5-2. AMP


PHONO AMP
PHONO
AUX
VIDEO
FUNCTION IC LC7822
BUFFER NJM4558M
SURROUND AMP AN6554
EQ IC M5229P
EQ CONT. NJU-7305
EQ IC M5229P
POST AMP MC4558
MOTOR CONTROL BA6208
M
MAIN VOL W/MOTOR
FREQ. DIV. MC4558 ×4
HEADPHONE AMP
HEADPHONE JACK
HIGH AMP LA4282
HIGH SPEAKER
PROTECTOR
LOW AMP STK-4172
LOW SPEAKER
MUTE
7BAND A/D CONV. XR-1091
DATA. CLK. SELECT
SURROUND CONTROL
CLK. DATA SELECT
REMOTE DATA
REMOTE CLK
CD CONTROL
MICRO COMPUTER HD404719A36FS
MUTE CONTROL
7P CONNECTOR
TUNER
AC
9P CONNECTOR
CDP
AC
RELAY
AC
11P CONNECTOR
DECK
AC
POWER LED CONT.
POWER SENSE KIA-7042
+15V
7815
7915
-15V
REMOTE SENSOR
KRM-50M2
DISPLAY SVA-12MF01
KEY METRIX
SA MODE
MEMORY
DISPLAY
DOWN
UP
HOUR
MIN
SOUND.CH
INPUT SEL.
SURROUND
EQ MODE
TIMER REC
POWER
RESET
MAIN P/T 74m/m
AC
POWER CONTROL
AC
RELAY
AC IN
SUB P/T 41m/m
AD CONV.
M5233L
ECHO CONTROL M50195P
64K ROM KM4164B
MIC JACK
MIC AMP MC4558S
MIC VOL

V. BLOCK DIAGRAM

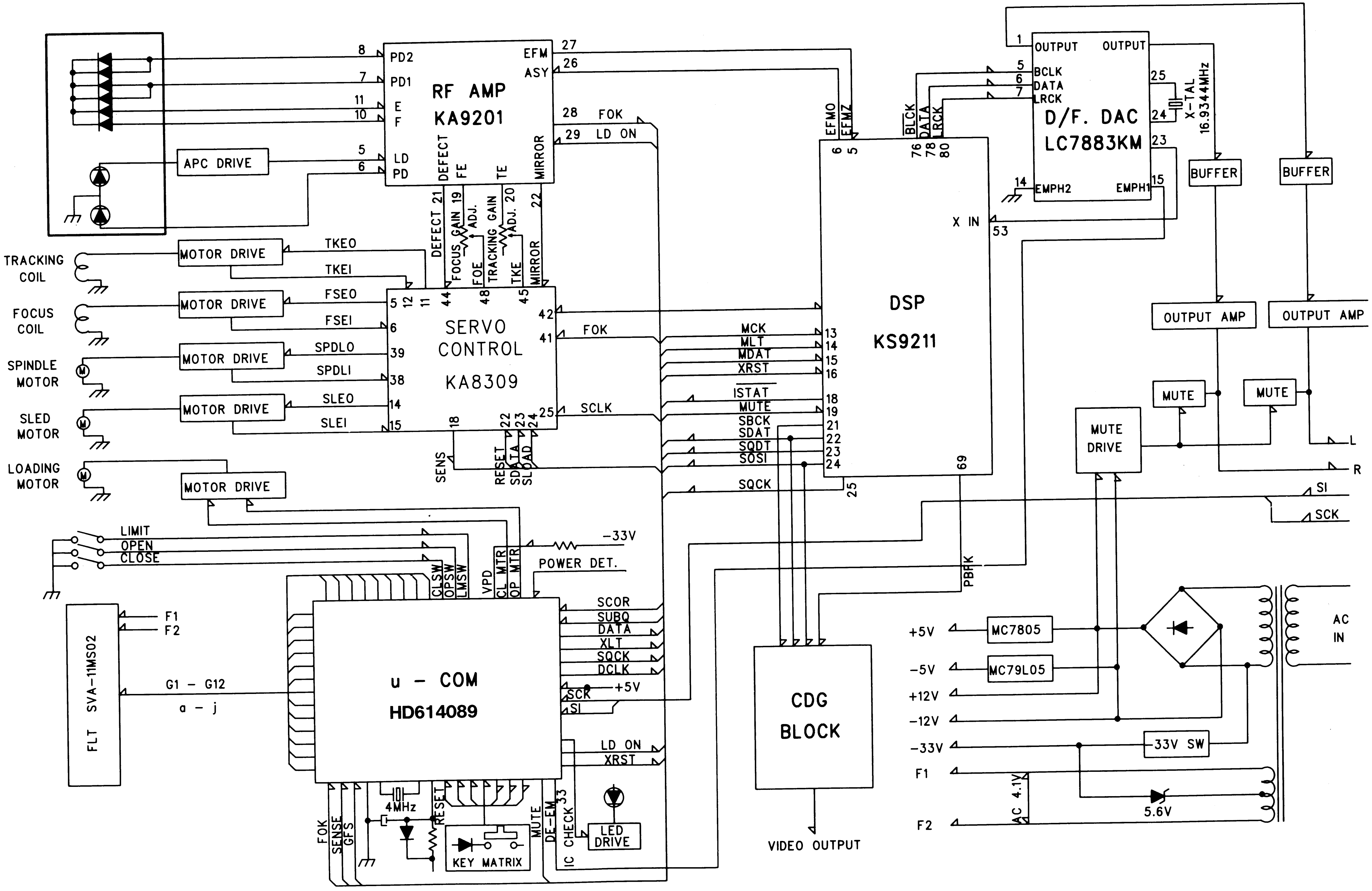
5-3. DECK



P/B DECK
PB HEAD
SOLENOID CONTROL
HI-SPEED CONTROL
IC101
KIA6225S
P/B AMP
EQ
70us/120us CONTROL
DOLBY LEVEL
VR101,VR102
IC301 CD4066B
P/B AB SWITCH
PB IN
PB OUT
LINE OUT
Q305
Q306
VR301,VR302
R/PLEVEL
REC OUT
DOLB B
MPX SW
DOLBY ON/OFF
REC IN
CrO₂
IC202
KIA6225S
P/B AMP
70us/120us CONTROL
EQ
DOLBY LEVEL
VR201,VR202
REC TRAP
REC AMP
EQ
LA2000
MQSS DET
MPX MODE DOLBY CONTROL ON/OFF
Q401
Q402
REC MUTE
Q601,Q602
BUFFER
REC IN
DATA
CLK
AC IN
AC IN
ALC LEVEL DETECTOR
IC201
upc1330HA
R / P CONTROL
R/P DECK
E. HEAD
36 PLAY A
35 PLAY B
40 R/P
42 HI-DUB
2 SOL2
62 SOL1
56 HI-SPEED
3 CMB
49 RESET
51
52
23 LED DRIVE
8-13 KEY MATRIX INPUT
MQSS 45
LINE MUTE 17
18
DATA 34
CLK 33
ALC ON/OFF 41
REC MUTE 39
REC CONTROL 38
DOLBY B 37
X1 55
X2 54
VCC
P.SENSE
SOLENOID CONTROL
MOTOR CONTROL
M
RESET
LED × 9
TACT × 16
CrO₂
METAL
AUTO TAPE SELECTOR
OSC
OSC IN
VCC +5V
IC801
MC7812
+12V
IC802
MC7812
+12V (MOTOR B+)
+5.6V
VOLTAGE REGULATOR

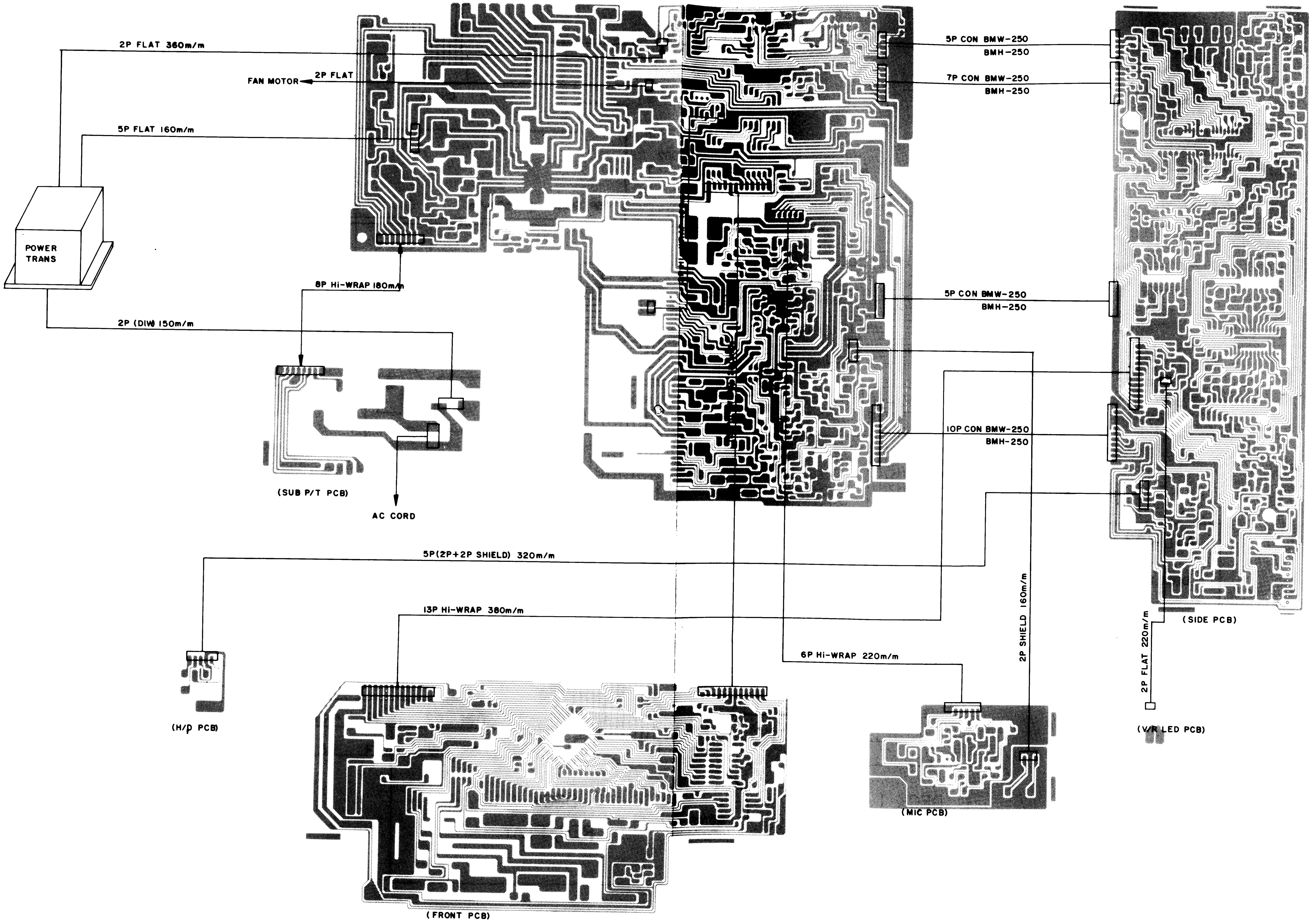
V. BLOCK DIAGRAM

5-4. CDP

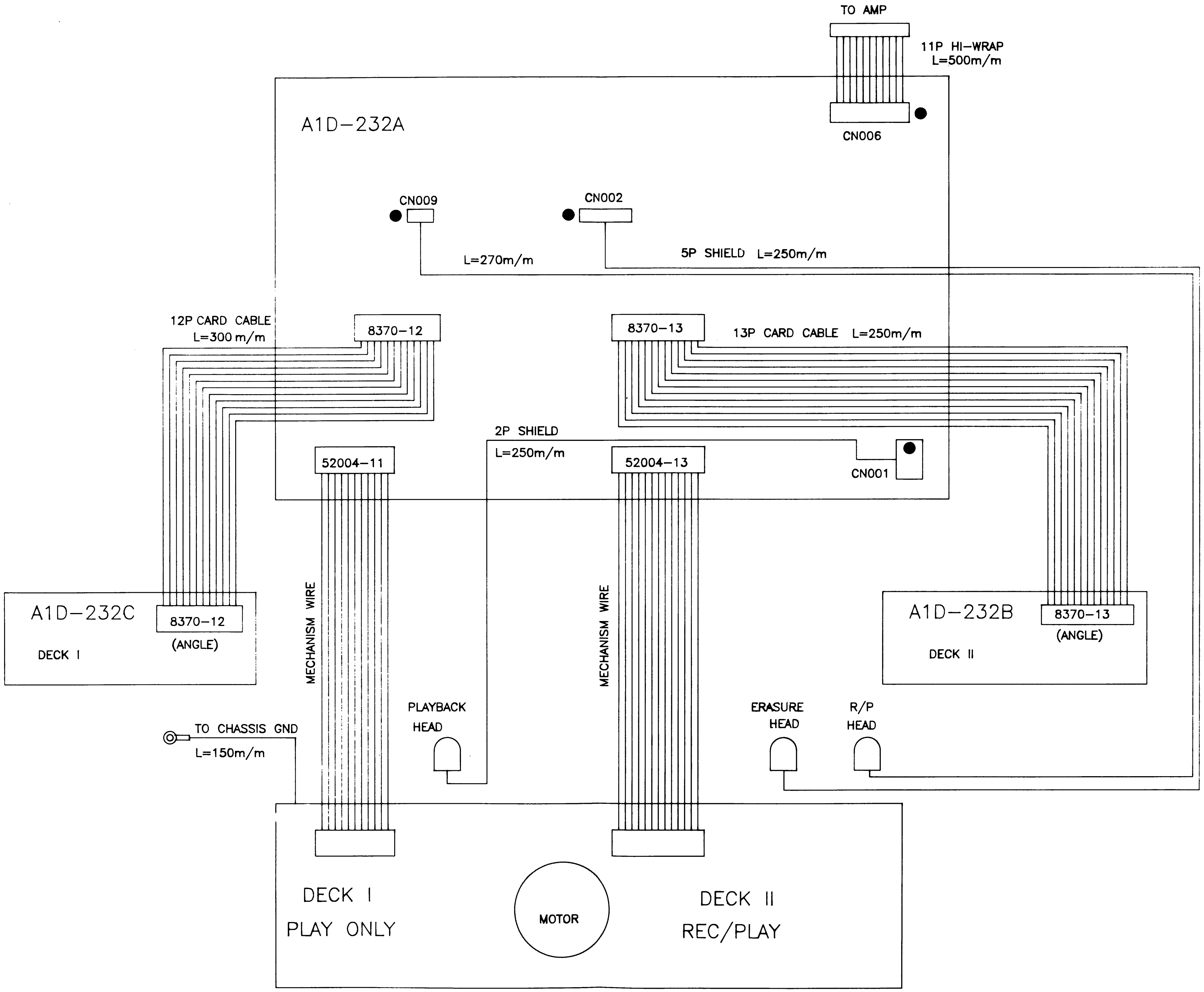

RF AMP
KA9201
PD2
PD1
E
F
LD
PD
EFM
ASY
FOK
LD ON
DEFECT
FE
TE
MIRROR
APC DRIVE
TRACKING COIL
FOCUS COIL
SPINDLE MOTOR
SLED MOTOR
LOADING MOTOR
MOTOR DRIVE
TKEO
TKEI
FSEO
FSEI
SPDLO
SPDLI
SLEO
SLEI
DEFECT 21
FOCUS GAIN 19
ADJ.
TRACKING GAIN
ADJ. 20
FOE
TKE
SERVO CONTROL
KA8309
SCLK
SENS
RESET
SDATA
SLOAD
DSP
KS9211
EFMO
EFMZ
BLCK
DATA
LRCK
MCK
MLT
MDAT
XRST
ISTAT
MUTE
SBCK
SDAT
SQDT
SOSI
SQCK
X IN
PBFK
D/F. DAC
LC7883KM
OUTPUT
BCLK
DATA
LRCK
EMPH2
EMPH1
X-TAL 16.9344MHz
BUFFER
OUTPUT AMP
MUTE
MUTE DRIVE
L
R
SI
SCK
LIMIT
OPEN
CLOSE
CLSW
OPSW
LMSW
VPD
CL MTR
OP MTR
-33V
POWER DET.
FLT SVA-11MS02
F1
F2
G1 - G12
a - j
u - COM
HD614089
SCOR
SUBQ
DATA
XLT
SQCK
DCLK
SCK
SI
+5V
LD ON
XRST
FOK
SENSE
GFS
4MHz
RESET
KEY MATRIX
MUTE
DE-EM
IC CHECK
33
LED DRIVE
CDG BLOCK
VIDEO OUTPUT
+5V
-5V
+12V
-12V
-33V
F1
F2
MC7805
MC79L05
-33V SW
5.6V
AC 4.1V
AC IN

VI. WIRING DIAGRAM

6-1. AMP

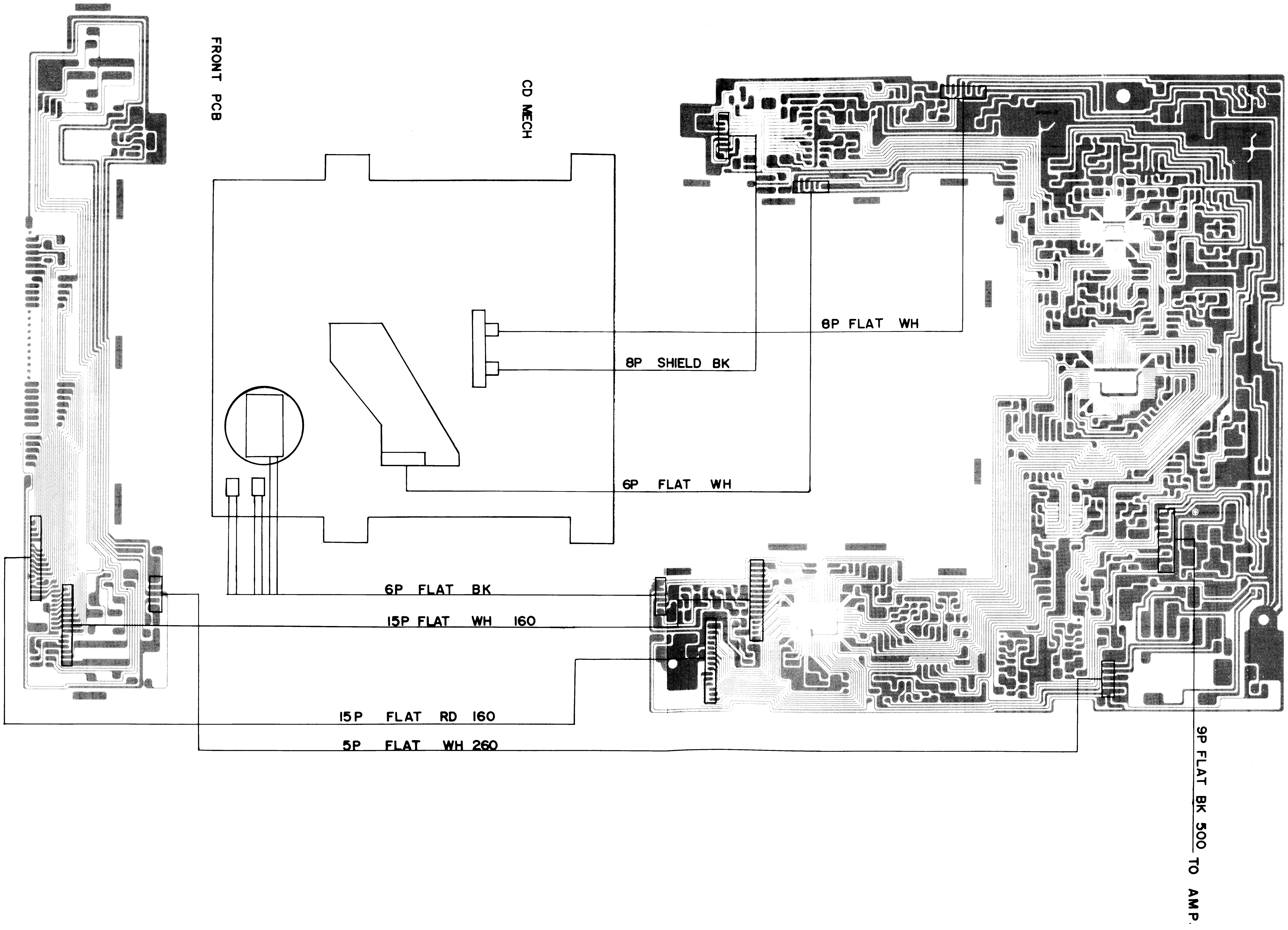

2P FLAT 360m/m
FAN MOTOR
2P FLAT
5P FLAT 160m/m
POWER TRANS
8P Hi-WRAP 180m/m
2P (DIW) 150m/m
(SUB P/T PCB)
AC CORD
5P CON BMW-250
BMH-250
7P CON BMW-250
BMH-250
5P CON BMW-250
BMH-250
10P CON BMW-250
BMH-250
5P(2P+2P SHIELD) 320m/m
13P Hi-WRAP 380m/m
6P Hi-WRAP 220m/m
2P SHIELD 160m/m
2P FLAT 220m/m
(SIDE PCB)
(V/R LED PCB)
(H/P PCB)
(MIC PCB)
(FRONT PCB)

6-2. DECK


TO AMP
11P HI-WRAP
L=500m/m
A1D-232A
CN006
CN009
CN002
L=270m/m
5P SHIELD L=250m/m
12P CARD CABLE
L=300 m/m
8370-12
8370-13
13P CARD CABLE L=250m/m
2P SHIELD
L=250m/m
52004-11
52004-13
CN001
A1D-232C
8370-12
(ANGLE)
DECK I
MECHANISM WIRE
MECHANISM WIRE
A1D-232B
8370-13
(ANGLE)
DECK II
PLAYBACK
HEAD
ERASURE
HEAD
R/P
HEAD
TO CHASSIS GND
L=150m/m
DECK I
PLAY ONLY
MOTOR
DECK II
REC/PLAY

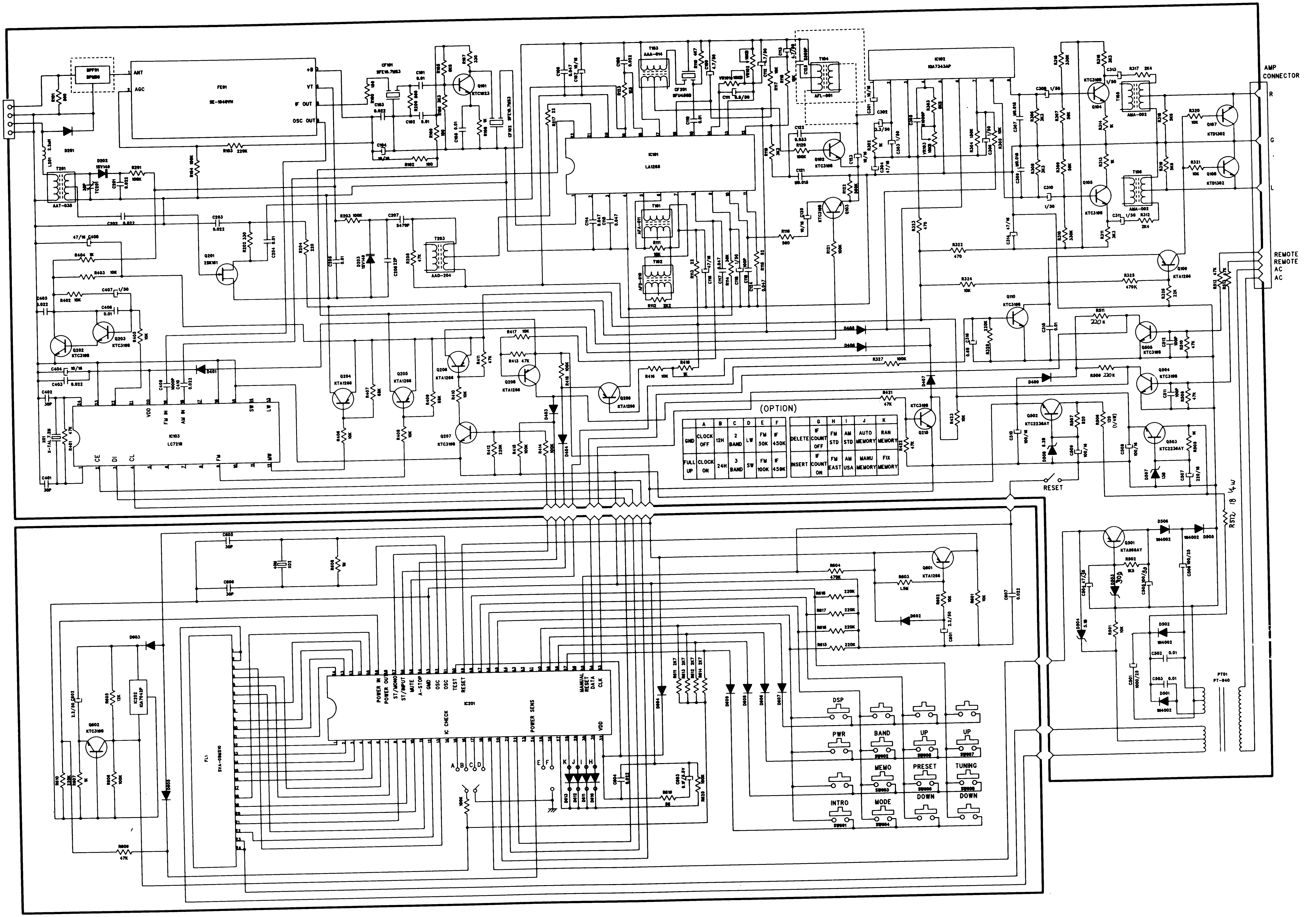
VI. WIRING DIAGRAM

6-3. CDP


FRONT PCB
CD MECH
8P FLAT WH
8P SHIELD BK
6P FLAT WH
6P FLAT BK
15P FLAT WH 160
15P FLAT RD 160
5P FLAT WH 260
9P FLAT BK 500 TO AMP.

VII. SCHEMATIC DIAGRAM

7-1. TUNER


FM
AM
AMP CONNECTOR
R
G
L
REMOTE
REMOTE
AC
AC
ANT
AGC
+B
VT
IF OUT
OSC OUT
FE01
T201
AAT-036
IC101
LA1265
IC102
KA7343AP
IC103
LC7218
IC201
Q101
KTC1923
Q201
2SK161
T203
AAO-204
T101
T102
T103
AAA-014
T104
AFL-001
T105
AMA-002
T106
AMA-002
Q107
KTD1302
Q108
KTD1302
RESET
CE
DI
CL
VDD
FM IN
AM IN
SW
LW
POWER IN
POWER OUT
ST/MONO
ST/INPUT
MUTE
A-STOP
GND
OSC
TEST
RESET
MANUAL
RESET
DATA
CLK
IC CHECK
POWER SENS
VDD
A
B
C
D
E
F
K
J
I
H
FL1
SVA-09SS10
Q602
KTC3198
Q601
KTA1266
Q501
KTA966AY
PT01
PT-040
DSP
PWR
BAND
UP
UP
MEMO
PRESET
TUNING
INTRO
MODE
DOWN
DOWN

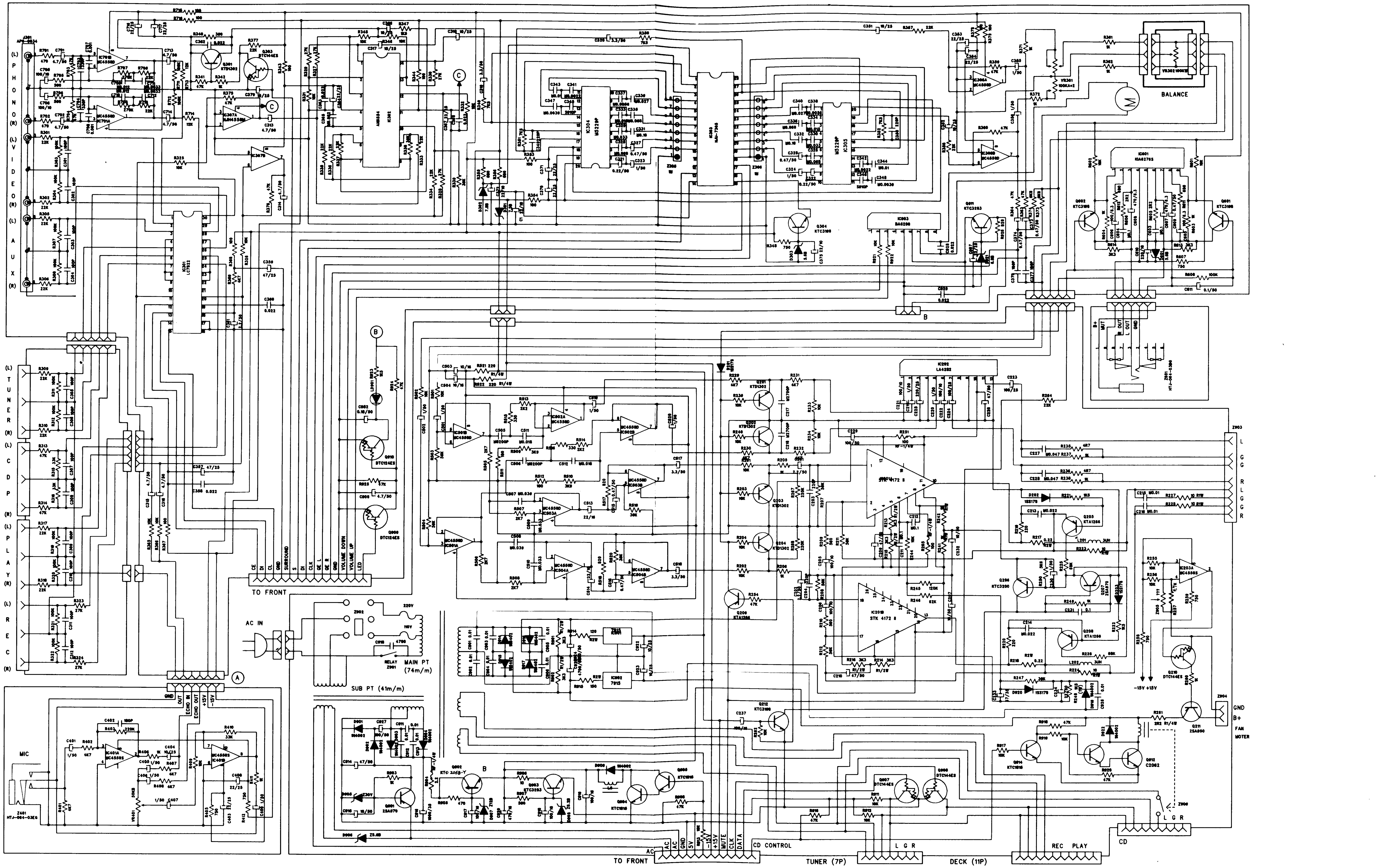
(OPTION)

	A	B	C	D	E	F
GND	CLOCK OFF	12H	2 BAND	LW	FM 50K	IF 450K
FULL UP	CLOCK ON	24H	3 BAND	SW	FM 100K	IF 459K

	G	H	I	J	K
DELETE	IF COUNT OFF	FM STD	AM STD	AUTO MEMORY	RAN MEMORY
INSERT	IF COUNT ON	FM EAST	AM USA	MANU MEMORY	FIX MEMORY

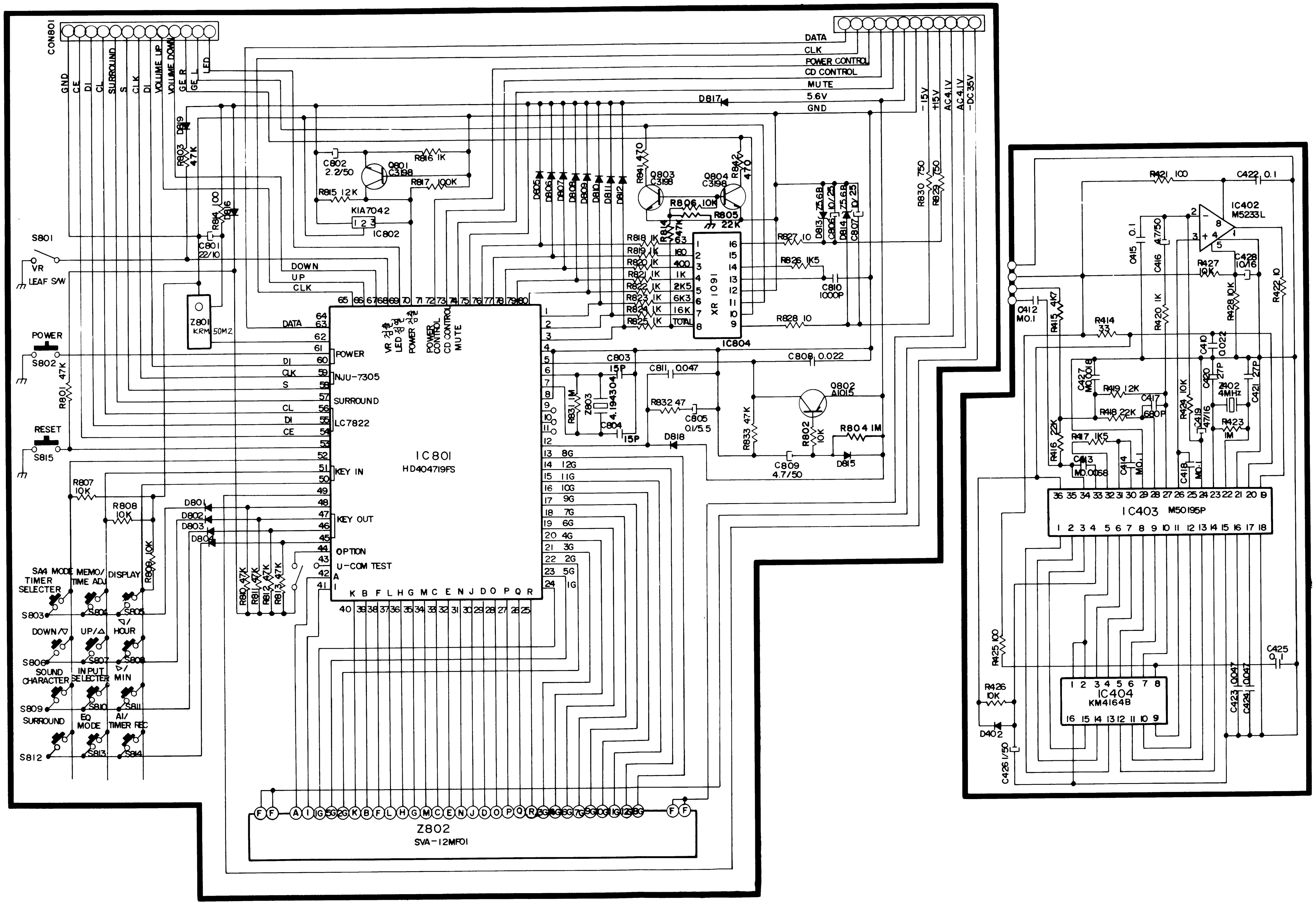
VII. SCHEMATIC DIAGRAM

7-2-1. AMP (MAIN)


PHONO
VIDEO
AUX
TUNER
CDP
PLAY
REC
BALANCE
TO FRONT
AC IN
RELAY Z901
MAIN PT (74m/m)
SUB PT (41m/m)
220V
110V
MIC
GND
OUT
ECHO IN
ECHO OUT
+15V
-15V
CE
DI
CL
SURROUND
CLK
VOLUME DOWN
VOLUME UP
LED
AC
5V
MUTE
DATA
CD CONTROL
TUNER (7P)
DECK (11P)
L G R
REC PLAY
CD
B+
FAN MOTER
-15V +15V
IC301 LC7822
IC302 AN5834
IC303 NJU-7303
IC304 M5229P
IC305 M5229P
IC601 KIA6276S
IC603 BA6288
IC202 LA4282
IC201B STK 4172 II
IC902 7815
STK 4172 II
A
B
C

VII. SCHEMATIC DIAGRAM

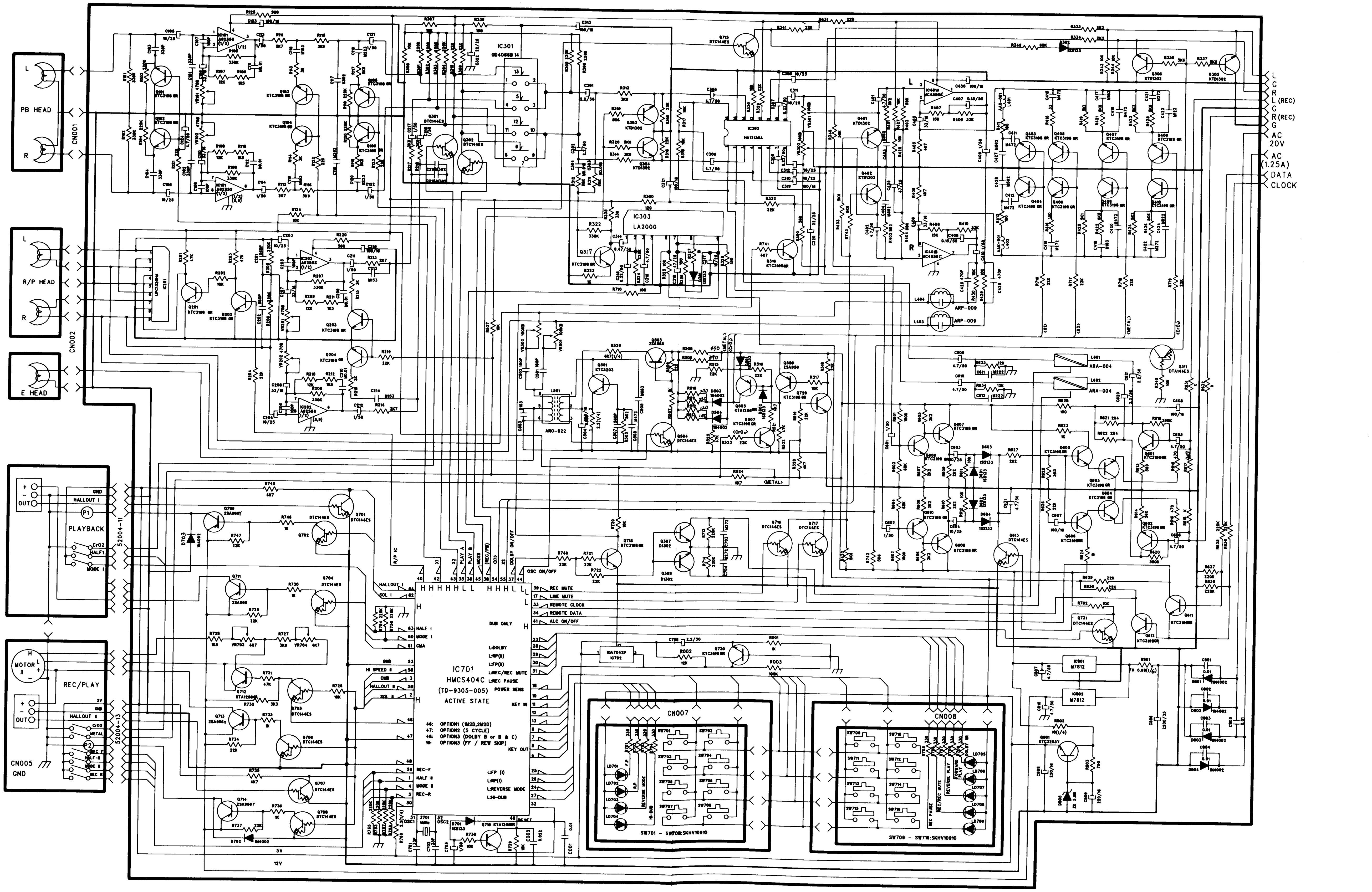
7-2-2. AMP (FRONT)



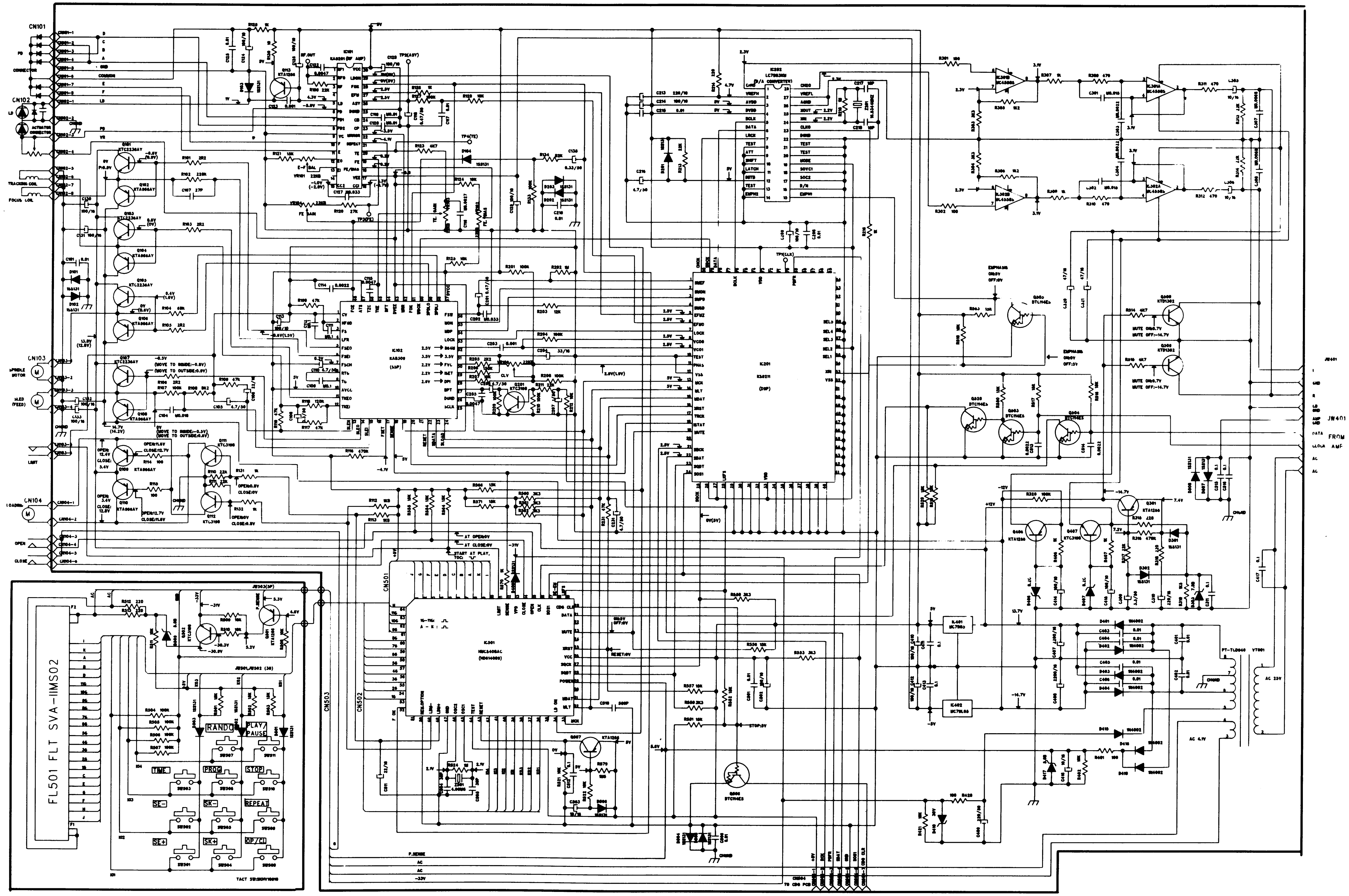
CON801
GND
CE
DI
CL
SURROUND
S
CLK
DI
VOLUME UP
VOLUME DOWN
GE R
GE L
LED
DATA
CLK
POWER CONTROL
CD CONTROL
MUTE
5.6V
GND
-15V
+15V
AC4.1V
AC4.1V
-DC35V
D817
D819
R803 47K
C802 2.2/50
Q801 C3198
R816 1K
R817 100K
R815 12K
KIA7042
IC802
R814 100
D816
C801 22/10
S801
VR
LEAF S/W
Z801 KRM 50M2
POWER
S802
R801 47K
RESET
S815
R807 10K
R808 10K
R809 10K
D801
D802
D803
D804
DOWN
UP
CLK
DATA
DI
CLK
S
CL
DI
CE
POWER
NJU-7305
SURROUND
LC7822
KEY IN
KEY OUT
OPTION
U-COM TEST
A
IC801
HD404719FS
VR
LED
POWER
POWER CONTROL
CD CONTROL
MUTE
K B F L H G M C E N J D O P Q R
8G
12G
11G
10G
9G
7G
6G
4G
3G
2G
5G
1G
R810 47K
R811 47K
R812 47K
R813 47K
SA4 MODE TIMER SELECTER
MEMO/ TIME ADJ.
DISPLAY
S803
S804
S805
DOWN/▽
UP/△
◁/ HOUR
S806
S807
S808
SOUND CHARACTER
INPUT SELECTER
▷/ MIN
S809
S810
S811
SURROUND
EQ MODE
AI/ TIMER REC
S812
S813
S814
D805
D806
D807
D808
D809
D810
D811
D812
R841 470
Q803 C3198
Q804 C3198
R842 470
R806 10K
R805 22K
R818 1K
R819 1K
R820 1K
R821 1K
R822 1K
R823 1K
R824 1K
R825 1K
63
160
400
1K
2K5
6K3
16K
TOTAL
XR 1091
IC804
D813 75.6B
C806 10/25
D814 75.6B
C807 10/25
R827 10
R826 1K5
C810 1000P
R828 10
R830 750
R829 750
C803 15P
C811 0.047
C808 0.022
R831 1M
Z803 4.194304
C804
15P
R832 47
C805 0.1/5.5
D818
Q802 A1015
R833 47K
R802 10K
R804 1M
C809 4.7/50
D815
Z802
SVA-12MF01
R421 100
C422 0.1
IC402 M5233L
C415 0.1
C416 4.7/50
R427 10K
C428 10/16
R422 10
C412 MO.1
R415 4K7
R414 33
R420 1K
R428 10K
C410 0.022
C427 MO.0018
R419 12K
R418 22K
C417 680P
R424 10K
C420 27P
Z402 4MHz
C421 27P
C419 47/16
R423 1M
R416 22K
R417 1K5
C413 MO.0068
C414 MO.1
C418 MO.1
IC403 M50195P
R425 100
R426 10K
D402
C426 1/50
IC404 KM41648
C423 0.047
C424 0.047
C425 0.1

VII. SCHEMATIC DIAGRAM

7-3. DECK


PB HEAD
L
R
CN001
R/P HEAD
CN002
E HEAD
PLAYBACK
HALLOUT I
HALF I
MODE I
CrO2
52004-11
MOTOR II
REC/PLAY
HALLOUT II
METAL
52004-13
CN005
GND
IC301
4066B
IC302
HA12136A
IC303
LA2000
IC701
HMCS404C
(TD-9305-005)
ACTIVE STATE
DUB ONLY
REC MUTE
LINE MUTE
REMOTE CLOCK
REMOTE DATA
ALC ON/OFF
KEY IN
KEY OUT
POWER SENS
L:DOLBY
L:REC/REC MUTE
L:REC PAUSE
L:REVERSE MODE
L:HI-DUB
OSC ON/OFF
DOLBY ON/OFF
PLAY A
PLAY B
ARO-022
ARP-009
ARA-004
IC801 M7812
IC802 M7812
CN007
CN008
SW701 - SW708:SKHV10910
SW709 - SW716:SKHV10910
L
G
R
L (REC)
G
R (REC)
G
AC 20V
AC (1.25A)
DATA
CLOCK
5V
12V

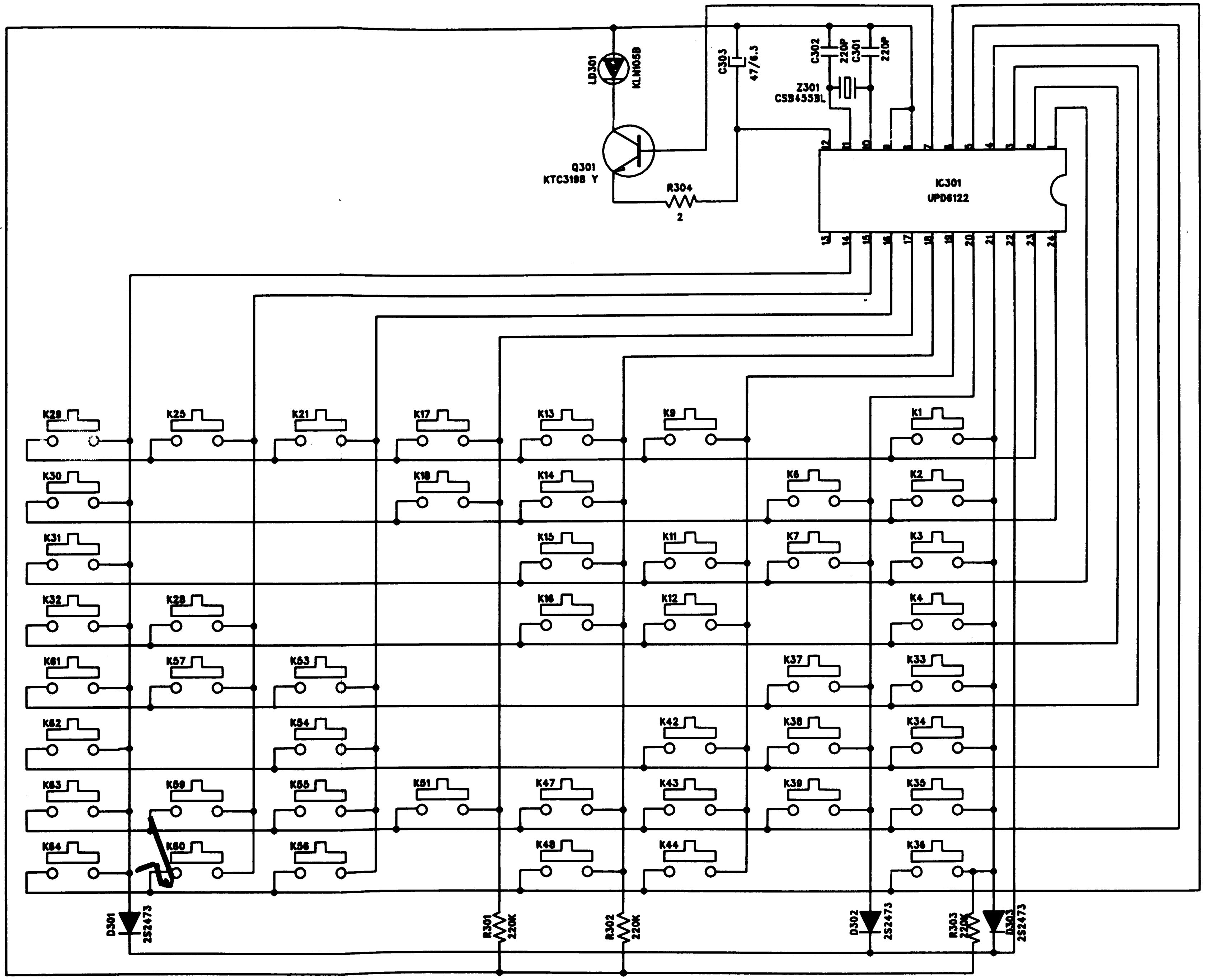
7-4. CDP


CN101
PD
CONNECTOR
CN102
LD
ACTUATOR CONNECTOR
TRACKING COIL
FOCUS COIL
CN103
SPINDLE MOTOR
SLED (FEED)
CN104
LIMIT
LOADING
OPEN
CLOSE
IC101 KA9201 (RF AMP)
IC102 KA9300 (33P)
IC201 KS9211 (DSP)
IC202 LC7883KM D/A CONVERTER
IC501
CN501
CN502
CN503
FL501 FLT SVA-11MS02
RANDOM
PLAY/PAUSE
TIME
PROG
STOP
SE-
SK-
REPEAT
SE+
SK+
OP/CL
TACT SW
JW401
JW401 FROM AMP
IC401
IC402
PT-TLD040
AC 23V
AC 6.1V
CN504 TO CD6 PCB
P.SENSE
AC
AC
-33V

VII. SCHEMATIC DIAGRAM

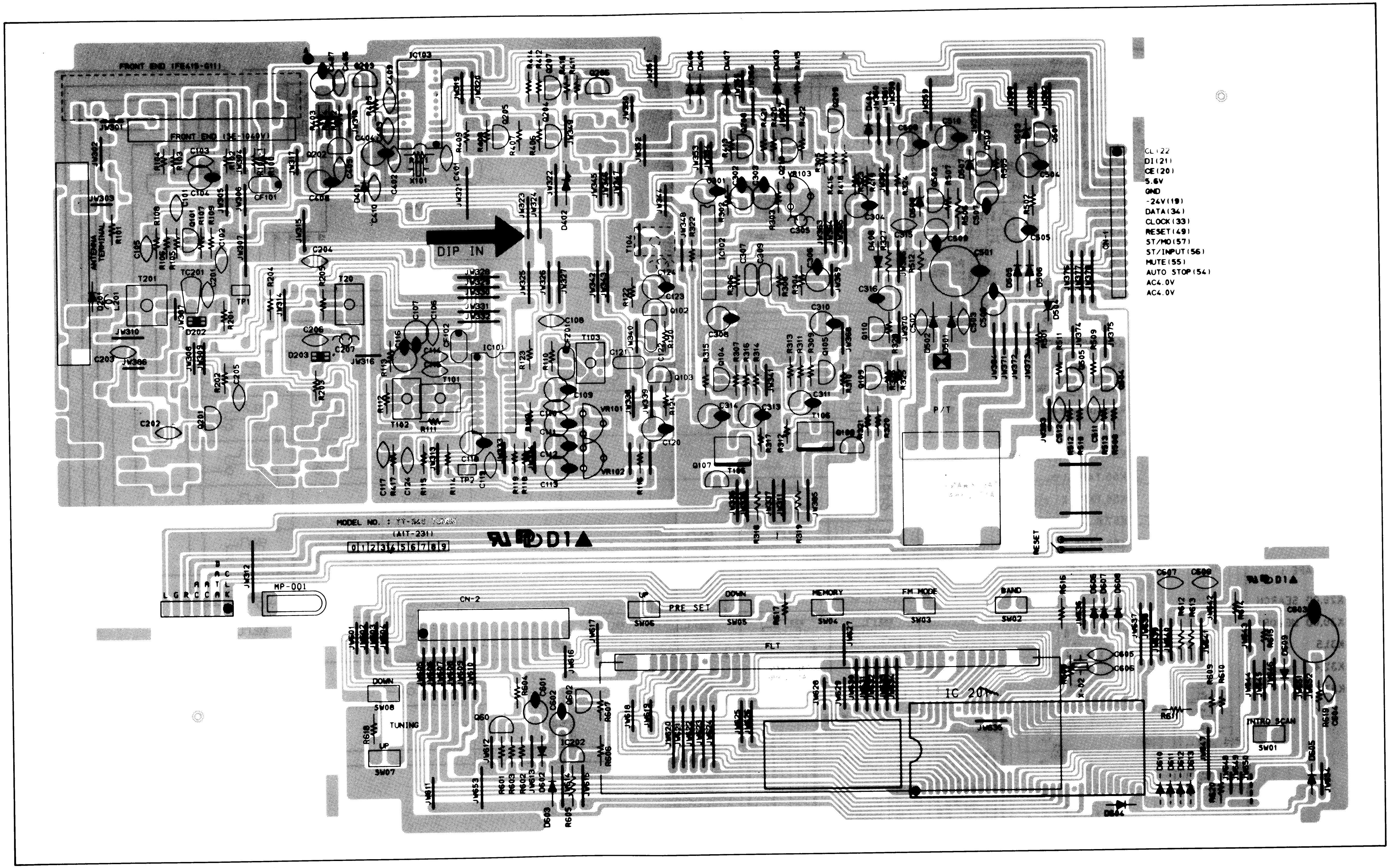
7-5. REMOTE

K1.CD STOP
K2.TUNER BAND
K3.6
K4.TAPE II REC/PAUSE
K6.CD PLAY/PAUSE
K7.+10−+90
K9.AMP VR DOWN
K11.TUNER PRESET UP
K12.TUNER RESET DOWN
K13.CD SKIP
K14.CD REPEAT
K15.TAPE II REC/MUTE
K16.TAPE INTROSCAN
K17.AMP MUTE
K18.AMP AUX
K21.CD SEARCH+
K25.AMP POWER
K28.TAPE I
K29.CD SEARCH
K30.CD MEMORY
K31.5
K32.4
K33.1
K34.EQ PROGRAM/USER
K35.TAPE II
K36.9
K37.2
K38.0
K39.TAPE I
K42.AMP SURROUND
K43.AMP VRUP
K44.AMP VIDEO
K47.CD TIME
K48.CD RANDOM
K51.CD SKIP+
K53.7
K54.EQ CURVE SCAN
K55.TAPE I
K56.TAPE II
K57.8
K59.TAPE II
K60.TAPE I
K61.TAPE II
K62.3
K63.TAPE II
K64.TAPE I


LD301
KLN105B
C303
47/6.3
C302
220P
C301
220P
Z301
CSB455BL
Q301
KTC3198 Y
R304
2
IC301
UPD6122
K29
K25
K21
K17
K13
K9
K1
K30
K18
K14
K6
K2
K31
K15
K11
K7
K3
K32
K28
K16
K12
K4
K61
K57
K53
K37
K33
K62
K54
K42
K38
K34
K63
K59
K55
K51
K47
K43
K39
K35
K64
K60
K56
K48
K44
K36
D301
2S2473
R301
220K
R302
220K
D302
2S2473
R303
220K
D303
2S2473

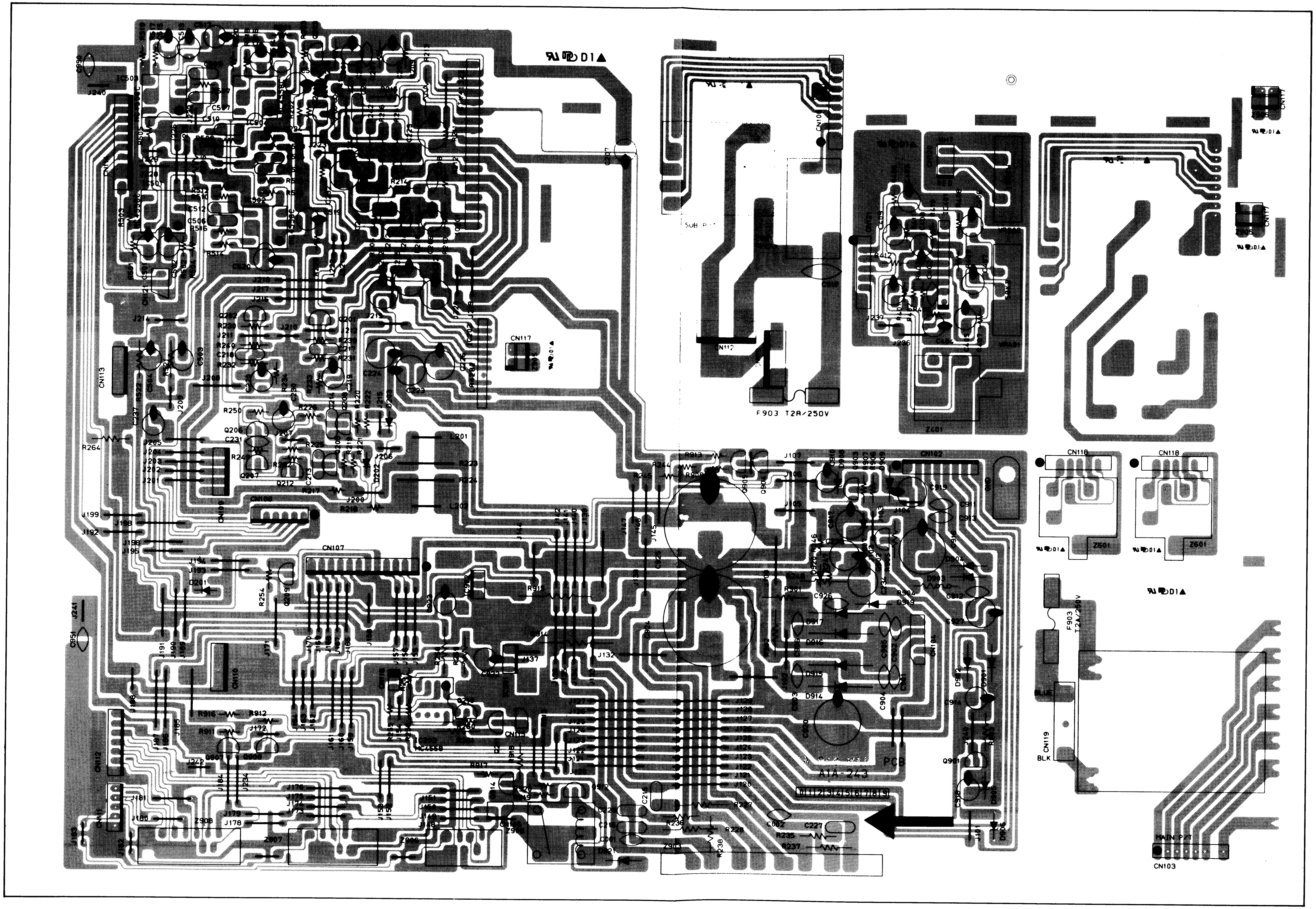
IX. PCB LAYOUT

8-1. TUNER PCB


FRONT END (FE415-011)
FRONT END (3S-1040V)
ANTENNA TERMINAL
DIP IN
CL(22)
DI(21)
CE(20)
5.6V
GND
-24V(19)
DATA(34)
CLOCK(33)
RESET(49)
ST/MO(57)
ST/INPUT(56)
MUTE(55)
AUTO STOP(54)
AC4.0V
AC4.0V
P/T
RESET
MODEL NO. : TY-
(AIT-231)
0 1 2 3 4 5 6 7 8 9
MP-001
L G R C C A K
CN-2
PRE SET
UP
DOWN
MEMORY
FM MODE
BAND
FLT
TUNING
INTRO SCAN

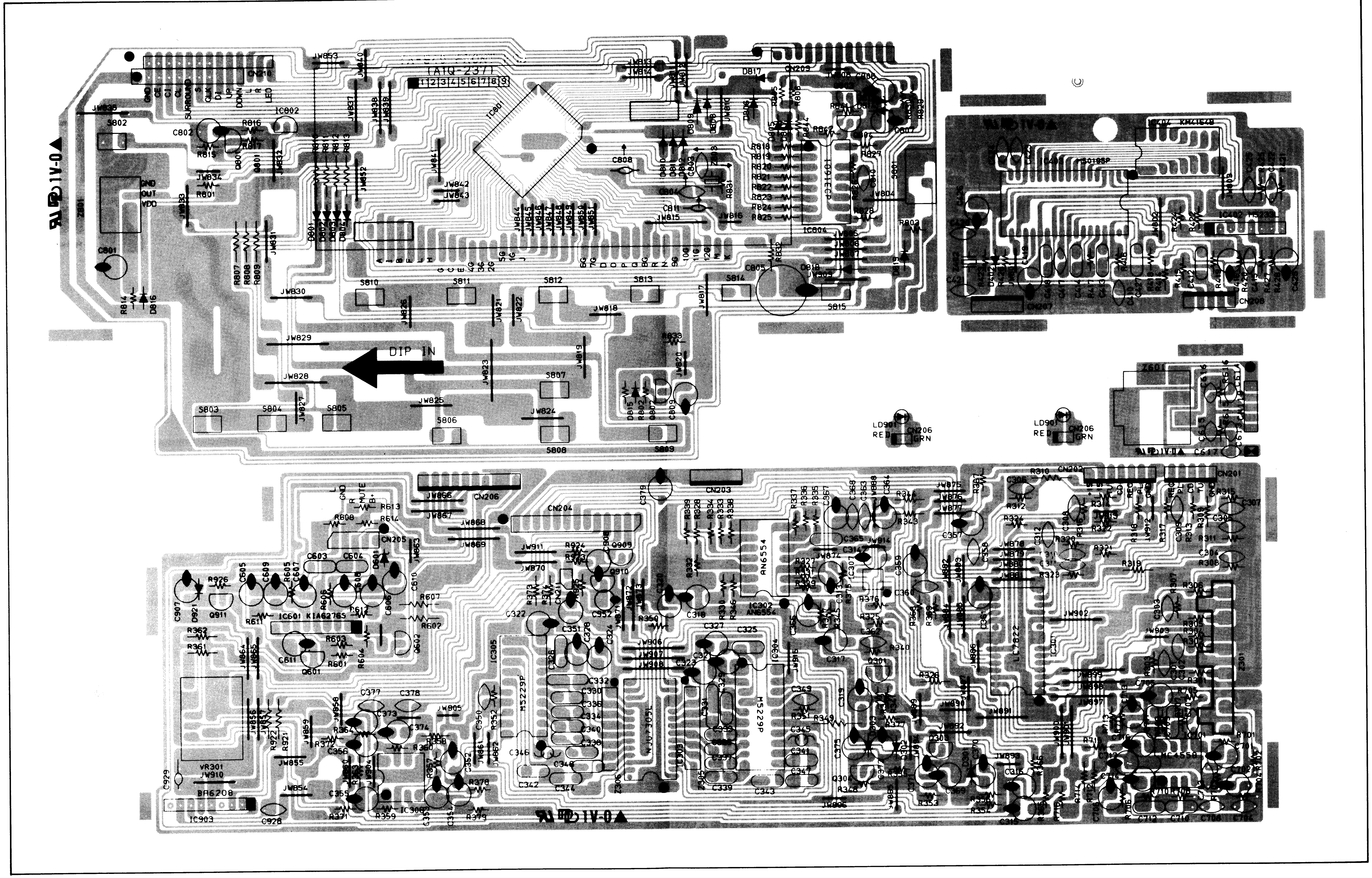
IX. PCB LAYOUT

8-2-1. AMP (MAIN PCB)



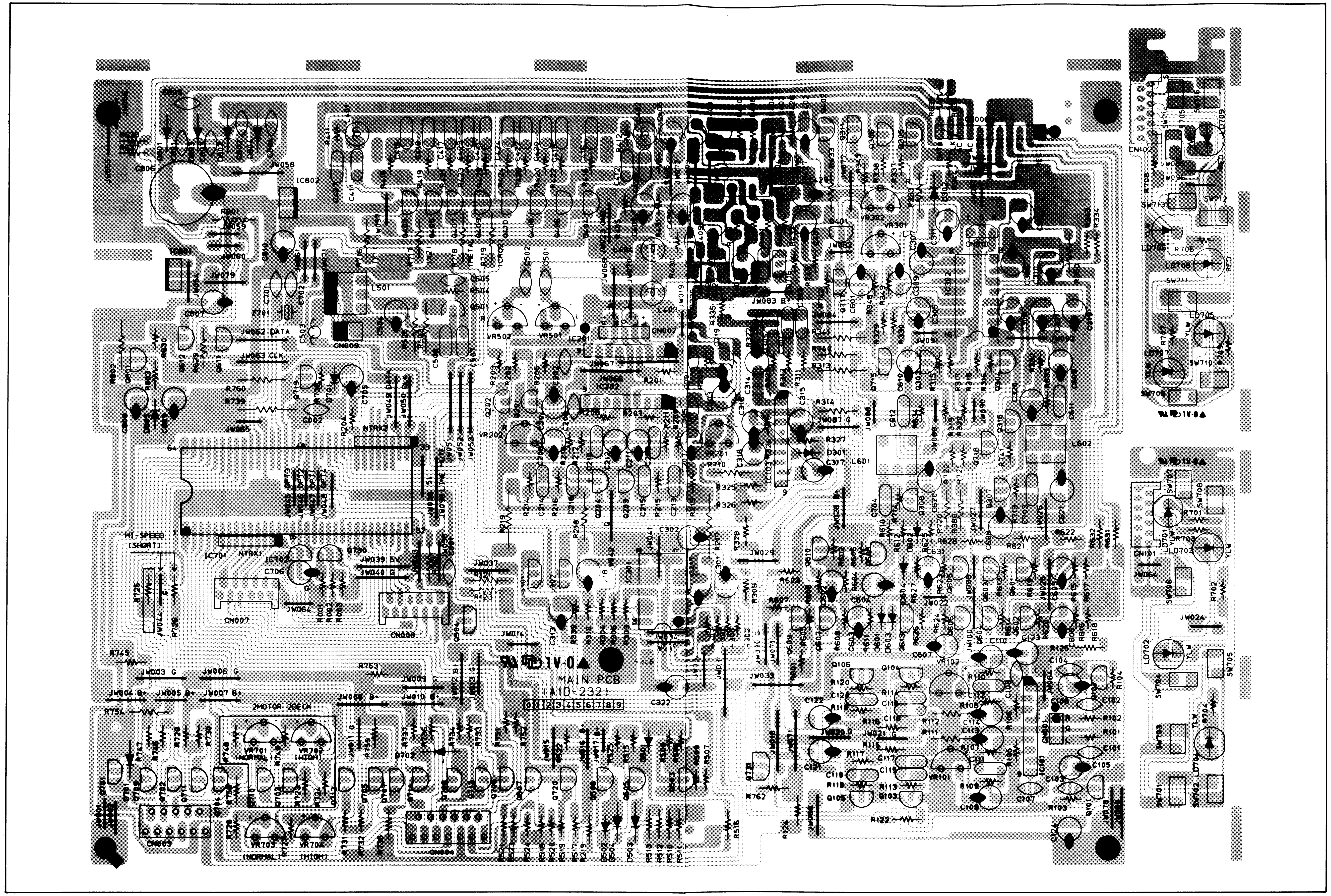
D1▲
CN117
CN113
CN112
CN110
CN107
CN109
CN106
CN102
CN118
CN118
Z601
Z601
Z401
SUB P
F903 T2A/250V
F903
T2A/250V
BLUE
CN119
BLK
MAIN P/T
CN103
AIA-243
PCB
R264
J199
J192
J198
J196
R250
Q206
C231
Q207
Q212
R254
J132
Z908
Z907
J178
J180
J181
R916
R912
R911
J172
Q901
D914
D915
D916
D917
C926
R913
J107
J105
C227
R235
R237
R236
R238
C213

8-2-2. AMP (FRONT PCB)


CN210
IC801
IC802
IC804
CN209
DIP IN
S802
S803
S804
S805
S806
S807
S808
S809
S810
S811
S812
S813
S814
S815
LD901 RED
CN206 GRN
Z601
CN204
CN205
CN206
CN203
CN201
CN202
IC601 KIA6276S
IC302 AN6554
IC305
IC304
M5229P
IC903
BA6208
VR301
C929
C928
AN6554

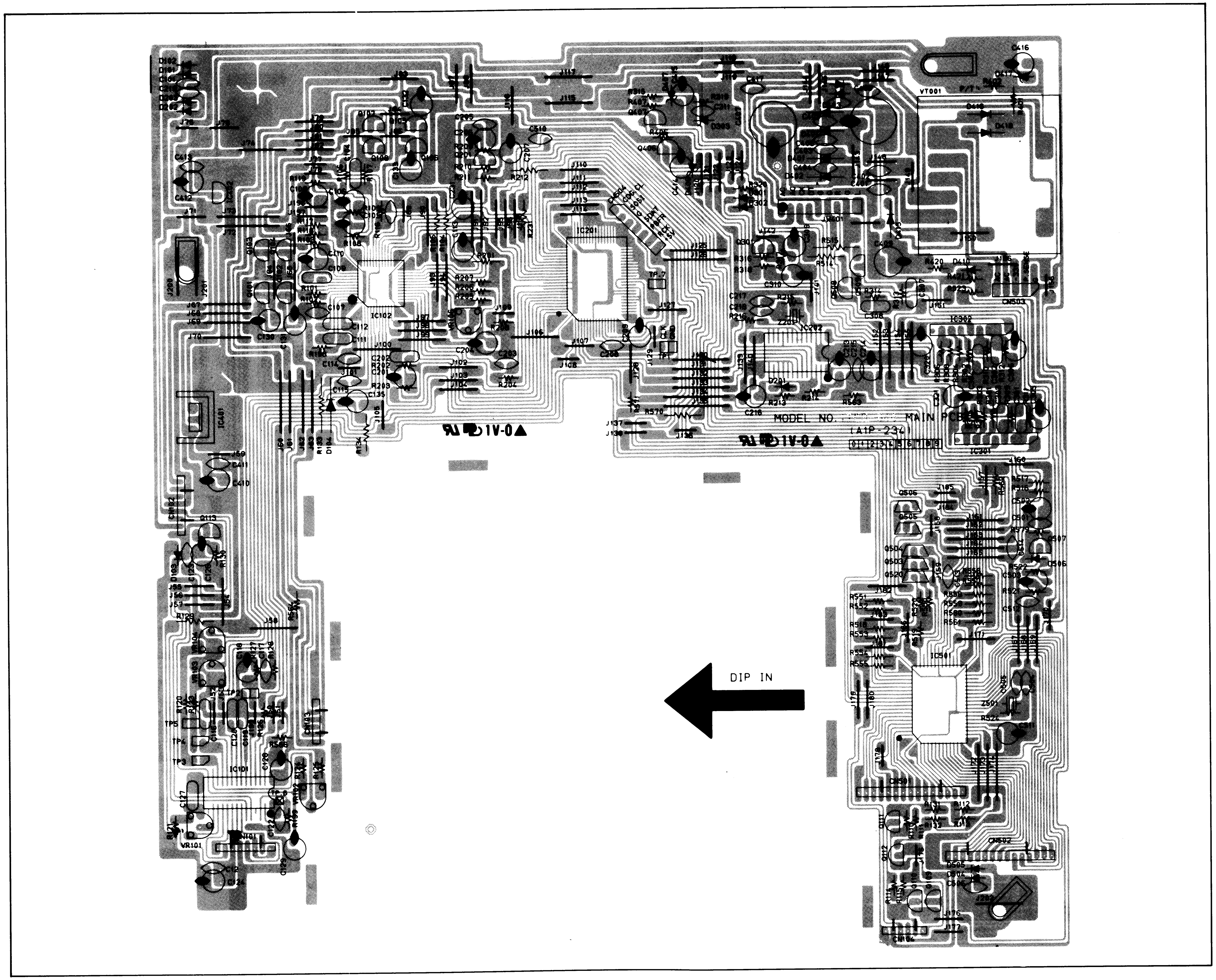
IX. PCB LAYOUT

8-3. DECK PCB


MAIN PCB
(A1D-232)
HI-SPEED (SHORT)
2MOTOR 2DECK
IC701
IC202
IC301
CN007
CN008
CN009
VR701 (NORMAL)
VR702 (HIGH)
VR703 (NORMAL)
VR704 (HIGH)
LD701
LD702
LD703
LD704
LD705
LD706
LD707
LD708
LD709
RED
YLW
SW701
SW702
SW703
SW704
SW705
SW706
SW707
SW708
SW709
SW710
SW711
SW712
SW713

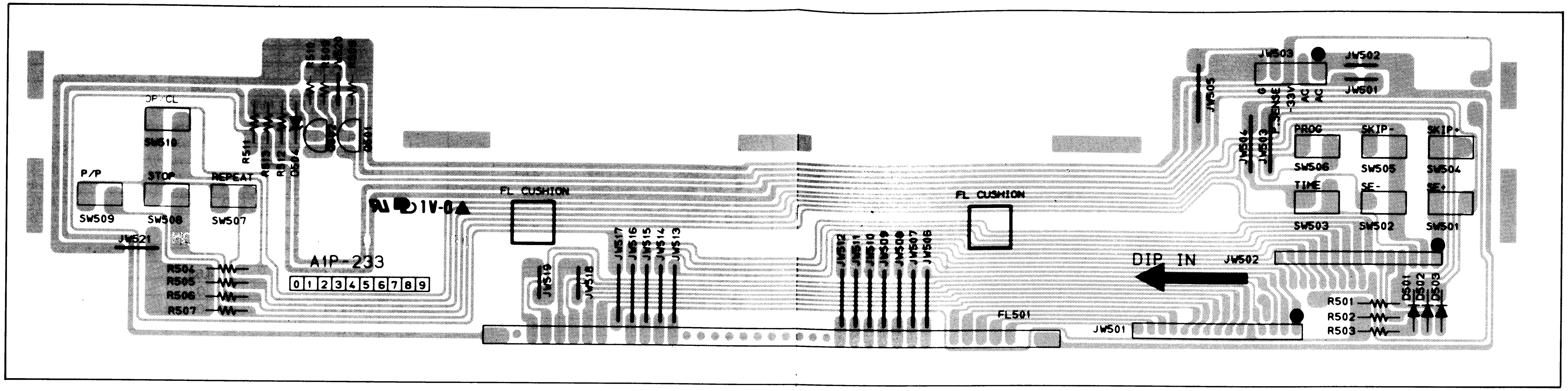
IX. PCB LAYOUT

8-4-1. CDP (MAIN PCB)

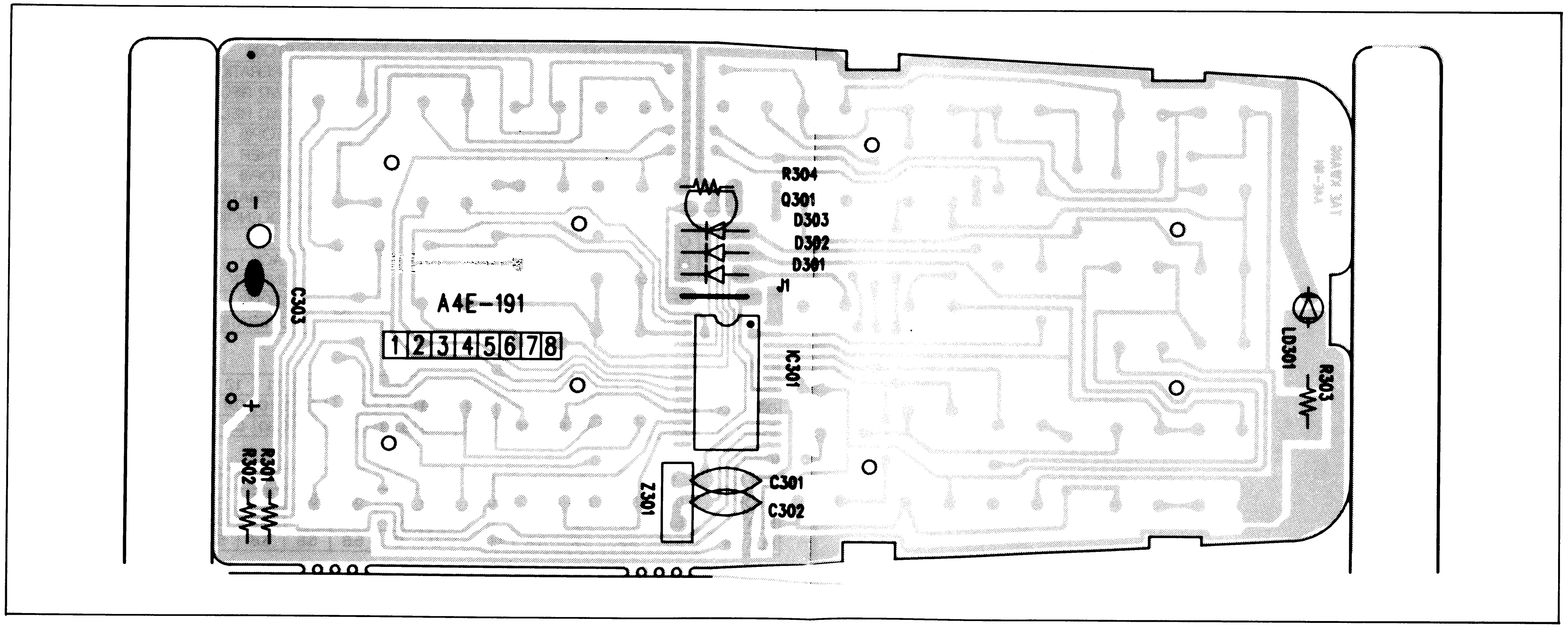

DIP IN
MODEL NO. MAIN PCB
(A1P-234)
IC201
IC102
IC101
IC501
VT001

IX. PCB LAYOUT

8-4-2. CDP (FRONT PCB)


OP/CL
SW510
P/P
STOP
REPEAT
SW509
SW508
SW507
JW521
R504
R505
R506
R507
R511
R513
R512
A1P-233
0123456789
FL CUSHION
JW516
JW518
JW517
JW516
JW515
JW514
JW513
JW512
JW511
JW510
JW509
JW508
JW507
JW506
FL CUSHION
DIP IN
JW502
FL501
JW501
R501
R502
R503
D501
D502
D503
JW503
JW502
JW501
JW505
JW504
JW503
G
SENSE
-33V
AC
AC
PROG
SKIP-
SKIP+
SW506
SW505
SW504
TIME
SE-
SE+
SW503
SW502
SW501

8-5. REMOTE PCB


-
+
C303
R301
R302
A4E-191
12345678
R304
Q301
D303
D302
D301
J1
IC301
Z301
C301
C302
LD301
R303

IX. VOLTAGE CHECK TABLE

9-1. DECK

PIN NUMBER	STATE	VOLTAGE
1	II PACK	4.8
	II UNPACK	0
2	SOLENOED II	5
		0
3	STOP (II)	0
	OTHER OPERATION	4.85
4	STOP (II), REC PAUSE	0
	OTHER	4.85
5	RVS REC SW OFF	4.89
	RVS REC SW ON	0
6−9	KEY SCAN	4.68
	OTHER	4.78
10−13	KEY SCAN	4.7
	OTHER	0
14−16		0
17	DUB, REC, PLAY	4.82
	OTHER	0
18	POWER ON	4.32
19−22		4.85
23	DOLBY ON	0.43
	DOLBY OFF	4.83
24	RVS MODE SW ON	0.43
	RVS MODE SW OFF	4.83
25	FP (I) LED ON	0.38
	OTHER	4.83
26	RP (I) LED ON	0.43
	OTHER	4.83
27	HI-DUB LED ON	0.43
	OTHER	4.83
28	RP (II) LED ON	0.43
	OTHER	4.83
29	FP (II) LED ON	0.43
	OTHER	4.83
30	REC/REC M LED ON	0.48
	OTHER	4.83
31	REC PAUSE LED ON	0.43
	OTHER	4.83
32	VDD	4.86
33−34		4.86
35	PLAY I	0.08
	OTHER	3.87
36	PLAY II	0.08
	OTHER	3.87
35	DOLBY ON	3.56
	DOLBY OFF	0.08

PIN NUMBER	STATE	VOLTAGE
38	REC, DUB	0.08
	OTHER	3.85
39	REC, DUB	3.85
	OTHER	0.09
40	REC, DUB, REC M/P	3.17
	OTHER	0.08
41	DUB	0.05
	OTHER	2.78
42	HI-DUB	0.06
	OTHER	1.72
43	HI-DUB	1.72
	OTHER	0.06
44	REC, DUB	2.75
	OTHER	0.05
45	MUSIC SEARCH	4.63
		0
46−48	OPTION	0
49	POWER ON	1.2
50		4.82
51	OSC1	0.09
52	OSC2	2.5
53		0
54	HI-DUB	0
	OTHER	1.72
55	HI-DUB	1.74
	OTHER	0
56	HI-SPEED	0
	OTHER	3.06
57	HI-SPEED	0
	OTHER	4.83
58	STO(II)	4.89
	OPERATION II	
59	FWD REC SW OFF	4.89
	FWD REC SW ON	0
60	STOP(I)	0
	OTHER	4.89
61	STOP(I)	0
	OPERATION I	4.86
62	SOLENOID I	5
		0
63	PACK I	4.8
	UNPACK I	0
64	STOP(I)	4.89
	OPERATION I	

IC302

PIN NO	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
DOLBY OFF	5.44	11	5.4	5.4	0	5.2	1.18	5.1	5.1	1.18	5.16	0.4	0.85	5.3	0	5.34
DOLBY ON	5.44	11	5.4	5.4	10.6	5.29	1.18	5.33	5.33	1.18	5.30	0.4	0.85	5.4	0	5.46

IC301

PIN NO	1	2	3	4	5	6	7	8	9	10	11	12	13	14
STOP	5.7	5.7	5.7	5.7	0	0	0	5.7	5.7	5.7	5.7	0	0	11.8
PLAY I	5.8	5.8	5.8	5.8	0	0	0	5.7	5.8	5.8	5.8	11.9	11.9	11.9
PLAY II	5.7	5.8	5.8	5.8	11.9	11.9	0	5.8	5.8	5.8	5.7	0	0	11.9

IX. VOLTAGE CHECK TABLE

IC101

PIN NO	1	2	3	4	5	6	7	8	9
VOLTAGE	1.2	0.6	6.5	10.2	0	6.7	0.6	1.2	0

IC201

PIN NO	1	2	3	4	5	6	7	8	9
PLAY	0	0	0	0	0	11.9	0	0	0
REC	0	0	0	8.6	0	11.9	0	0	0

IC202

PIN NO	1	2	3	4	5	6	7	8	9
VOLTAGE	1.2	0.6	4.6	10.2	0	4.6	0.6	1.2	0

IC303

PIN NO	1	2	3	4	5	6	7	8	9
NO INPUT	1.7	0	1.8	0	0	0	4.4	0	4.2
INPUT	1.7	0	1.8	0	0	4.2	4.4	0.72	4.2

LOCATION	STATE	E	C	B
Q101, Q102	HI-DUB	0	0	0
Q403, Q404	OTHER	0	0	0.6
Q105, Q106	HI-DUB	0	0	0.6
Q405, Q406	OTHER	0	0	0
Q103, Q104	NORMAL TAPE PACK I	0	0	0
	OTHER	0	0	0.6
Q203, Q204	NORMAL TAPE PACK II	0	0	0
	OTHER	0	0	0.6
Q201	REC, DUB	0	8.6	0
	OTHER	0	0	0.6
Q202	REC, DUB	0	0	0.6
	OTHER	0	2.52	0
Q301	PLAY I	0	11.9	0
	OTHER	0	0	3.89
Q301	PLAY II	0	11.9	0
	OTHER	0	0	3.89
Q504	REC, DUB	0	0	2.74
	OTHER	0	11.8	0
Q513	NORMAL REC/DUB	3.89	3.85	3.20
	CrO_2 REC/DUB	5.46	5.40	4.72
	METAL REC/DUB	10.2	10.2	9.5
	OTHER	11.8	0.3	11.8
Q303, Q304	REC, DUB	0	0	0
	OTHER	0	0	0.6
Q407, Q408	METAL REC/DUB	0	0	0.6
	OTHER	0	0	0
Q409, Q410	CrO_2 REC/DUB	0	0	0.6
	OTHER	0	0	0
Q715	REC, DUB	0	9.24	0
	OTHER	0	0	0.6
Q316	DOLBY ON	0	0	0.6
	DOLBY OFF	0	0	0
Q307, Q308	DOLBY ON	0	0	0.6
	DOLBY OFF	0	0	0
Q7186	DOLBY ON	0	0	0.6
	DOLBY OFF	0	4.25	0
Q613	DUB (ALC OFF)	0	0	9.87
	OTHER	0	0	0
Q731	DUB	0	9.87	0
	OTHER	0	0	2.7

LOCATION	STATE	E	C	B
Q704	PLAY I	0	0	4.85
	OTHER	0	11.8	0
Q705	HI-DUB	0	11.8	0
	OTHER	0	0	2.62
Q711	PLAY I	11.8	11.8	11.1
	OTHER	0	0	11.8
Q712	HI-DUB	3.35	6.92	11.8
	OTHER	0	0	0
Q706	PLAY II	0	0	4.87
	OTHER	0	11.8	0
Q713	PLAY II	11.8	11.8	11.1
	OTHER	11.8	0	11.8
Q311		2.7	2.7	0
Q611, Q612		0	4.8	0
Q801		4.9	11.5	5.5
Q601, Q602		1.2	5.6	1.9
Q603, Q604		0	0	0
Q605, Q606		0	11.9	0
Q607, Q608		0	11.9	7.52
Q609, Q610		2.33	7.52	2.93
Q730		0	4.3	0
Q719		4.8	0	4.3
Q701		0	4.8	0
Q702		0	11.8	0
Q709		11.8	0	11.8
Q707		0	4.89	0
Q708		0	11.8	0
Q714		11.8	0	11.8

IX. VOLTAGE CHECK TABLE

9-2. TUNER

IC201

PIN	STATE FM	STATE AM	PIN	STATE FM	STATE AM
1	−25.8	−26.4	33	5.1	5.1
2	−25.8	−26.4	34	5.1	5.1
3	−25.8	−26.4	35	5.1	5.1
4	−25.8	−26.4	36	4.8	4.8
5	−25.8	−26.4	37	5.2	5.2
6	−12.8	−12.9	38	5.2	5.2
7	−12.8	−17.3	39	5.2	5.2
8	−8.5	−22	40	5.2	5.2
9	−17.4	−13.1	41	4.8	4.8
10	−21.8	−17.6	42	4.8	4.8
11	−13	−22	43	4.8	4.8
12	−21.9	−13.1	44	4.8	4.8
13	−21.9	−3.1	45	0	0
14	0	0	46	0	0
15	0	0	47	0	0
16	0	0	48	0	0
17	5.0	5.0	49	0	0
18	0	0	50	4.8	4.9
19	−30.9	−31.1	51	2.1	2.1
20	0	0	52	2.1	2.1
21	0	0	53	0	0
22	0	0	54	0	0
23	4.8	4.8	55	3.8	3.8
24	4.5	4.5	56	5.2	5.2
25	0	0	57	0	3.8
26	0	0	58	4.8	4.8
27	0	0	59	4.3	4.3
28	0	0	60	−26.0	−21.8
29	0	0	61	−26.0	−30.7

PIN	STATE FM	STATE AM	PIN	STATE FM	STATE AM
30	0	0	62	−26.6	−26.6
31	0	0	63	−26.6	−26.6
32	4.8	4.8	64	−26.6	−26.6

IC202

	FM	AM
1	5.1	5.1
2	0	0
3	4.6	4.6

Q601

	FM	AM
E	5.6	5.6
C	0	0
B	5.0	5.1

Q602

	FM	AM
E	0	0
C	4.6	4.6
B	0	0

LA1265

IC101

PIN	STATE FM	STATE AM
1	2.35	1.09
2	2.35	1.09
3	2.35	1.09
4	0	0
5	12.18	12.27
6	12.18	12.27
7	12.18	12.27
8	5.72	5.73
9	4.11	3.46
10	3.11	3.05
11	1.56	1.54
12	1.48	1.48
13	0	0
14	0	0
15	2.35	1.1
16	0	0
17	0	11.88
18	0	2.02
19	0	2.02
20	3.95	3.73
21	3.95	3.73
22	2.77	1.58

IX. VOLTAGE CHECK TABLE

LC7218

IC103

PIN	STATE FM	STATE AM
1	2.46	2.47
2	0	0
3	0	0
4	0	0
5	0	0
6	0	0
7	0.1	0.07
8	0.1	0.07
9	0.3	12.57
10	5.05	5.14
11	5.05	5.14
12	12.55	0.1
13	0.1	0
14	0	0
15	0	0
16	0	0
17	0.1	0.27
18	0	2.65
19	2.56	0
20	5.04	5.14
21	0.25	0.27
22	1.1	1.1
23	0	0
24	2.48	2.52

7343

IC102

PIN	STATE MONO	STATE S/T
1	3.41	3.42
2	5.98	6.02
3	7.36	7.4
4	5.79	6.80
5	0	0
6	12.60	12.64
7	7.26	7.22
8	3.71	3.71
9	3.74	3.74

LOCATION NUMBER	STATE	E	C	B
Q501	ALL	−30.8	−38.5	−31.4
Q502	ALL	5.7	14.5	6.3
Q503	ALL	12.6	19.35	13.1
Q504	ALL	0	5.3	0
Q505	ALL	0	5.3	0
Q101	FM	3.07	11.02	3.8
Q102	AM	8.86	8.87	9.44
Q103	FM	9.07	9.08	9.66
Q104	ALL	0.92	8.76	1.54
Q105	ALL	0.92	8.76	1.54
Q107	ALL	0	0	−0.3
Q108	ALL	0	0	−0.2
Q109	ALL	0	0	0
Q110	ALL	0	0	0.6

FRONT END

PIN	ANT	AGL	B+	VT	IF OUT	OSC OUT
VOL	0	5.10	8.90	3.43	0	0

IX. VOLTAGE CHECK TABLE

9-3. AMP

PIN	1	2	3	4	5	6	7	8	9
IC601	0	0.56	2.18	5.6	0	2.18	1.32	0.57	0

PIN	1	2	3	4	5	6	7	8
IC501	0	0	0	−14.1	0	0	0	13.8

PIN	1	2	3	4	5	6	7	8
IC502	0	0	0	−14.1	0	0	0	13.8

PIN	1	2	3	4	5	6	7	8
IC503	0	0	0	−14.1	0	0	0	13.8

PIN	1	2	3	4	5	6	7	8
IC504	0	0	0	−14.1	0	0	0	13.8

PIN	1	2	3	4	5	6	7	8	9
IC201	−0.2	−0.2	0	−33.2	−1.31	0.3	−34.7	−35.8	−35.7
PIN	10	11	12	13	14	15	16	17	18
IC201	0	35.5	34.2	−0.1	−35.8	−1.32	0	−0.2	−0.2

PIN	1	2	3	4	5	6	7	8	9
IC202	1.7	0.7	17.53	0	0.7	1.07	17.52	X	0
PIN	10	11	12						
IC202	35.9	17.6	0						

PIN	1	2	3	4	5	6	7	8	9
IC403	2.4	1.52	1.23	5.1	1.88	4.47	1.24	2.64	2.6
PIN	10	11	12	13	14	15	16	17	18
IC403	2.6	2.4	2.74	2.74	2.59	0	0.7	0.7	0
PIN	19	20	21	22	23	24	25	26	27
IC403	3.45	5.15	0	2.6	2.5	2.63	2.63	2.63	2.63
PIN	28	29	30	31	32	33	34	35	36
IC403	2.63	0	2.63	2.63	2.63	2.63	2.63	X	5.15

PIN	1	2	3	4	5	6	7	8
IC404	1.9	1.9	4.47	1.24	2.64	2.60	2.62	4.85
PIN	9	10	11	12	13	14	15	16
IC404	2.4	2.7	2.7	2.6	2.4	1.54	1.2	0

PIN	1	2	3	4	5	6	7	8	9
IC801	0	0	0	0	0	2.15	2.24	0	0
PIN	10	11	12	13	14	15	16	17	18
IC801		4.8	4.8	~	~	~	~	~	~
PIN	19	20	21	22	23	24	25	26	27
IC801	~	~	~	~	~	~	~	~	~
PIN	28	29	30	31	32	33	34	35	36
IC801	~	~	~	~	~	~	~	~	~
PIN	37	38	39	40	41	42	43	44	45
IC801	~	~	~	~	~	~		0	4.5
PIN	46	47	48	49	50	51	52	53	54
IC801	4.5	4.5	4.5	−29	0	0	4.6	~	~
PIN	55	56	57	58	59	60	61	62	63
IC801	~	~	A	~	~	~	4.2	4.2	~
PIN	64	65	66	67	68	69	70	71	72
IC801		~	B	C	4.6	D	4.20	0.1	E
PIN	73	74	75	76	77	78	79	80	
IC801	F	0	5.19	0	0	0	0	0	

IX. VOLTAGE CHECK TABLE

A		B		C		D		E		F		PIN CONDITION
SURR	4.19	UP	4.1	DOWN	4.1	ON	0.1	STBY	0.1	CDP	0.1	
OFF	0.2	ETC	0	ETC	0	STBY	4.18	ON	4.1	ETC	4.1	

PIN	1	2	3	4	5	6	7	8
IC804	0	0	0	0	0	0	0	0
PIN	9	10	11	12	13	14	15	16
IC804	−5.5	0	0	0	0	0.65		5.54

PIN	1	2	3	4	5	6	7	8
IC402	3.46	2.6	2.6	0	2.8	0	0	5.55

PIN	1	2	3	4	5	6	7	8	9
IC401	12.57	0	0	0	−12.8	0	0	0	12.56

PIN	1	2	3	4	5	6	7
IC302	0	0	0	14.1	0	0	0
PIN	8	9	10	11	12	13	14
IC302	0	0	0	−14.4	0	0	0

PIN	1	2	3
IC901	22.5	0	15.0

PIN	1	2	3
IC902	0	−23.3	−15.2

PIN	1	2	3	4	5	6	7	8
IC701	0	0	0	−14.9	0	0	0	14.63

PIN	1	2	3	4	5	6	7	8
IC307	0	0	0	−14.4	0	0	0	14.1

PIN	1	2	3	4	5	6	7	8
IC306	0	0	0	−14.95	0	0	0	14.62

PIN	1	2	3	4	5	6	7	8	9
IC903	0	0	0	0	0	5.8	0	0	0

PIN	1	2	3	4	5	6	7	8	9	10
IC301	0	0	0	0	0	0	0	0	0	0
PIN	11	12	13	14	15	16	17	18	19	20
IC301	0	−15.26	0	0	0	0	0	14.93	14.93	0
PIN	21	22	23	24	25	26	27	28	29	30
IC301	0	0	0	0	0	0	0	0	0	0

PIN	1	2	3	4	5	6	7	8	9	10
IC303	7.4	0	0	0	0	0	0	0	0	0
PIN	11	12	13	14	15	16	17	18	19	20
IC303	7.4	7.4	0	−7.3	5.25	0	0	0	0	0
PIN	21	22	23	24	25	26	27	28		
IC303	0	0	0	0	0	0	0	0		

PIN	1	2	3	4	5	6	7	8	9	10
IC304	0	0	0	0	0	0	0	0	0	0
PIN	11	12	13	14	15	16	17	18	19	20
IC304	0	0	0	0	0	0	0	12.95	0	−13.27

PIN	1	2	3	4	5	6	7	8	9	10
IC305	0	0	0	0	0	0	0	0	0	0
PIN	11	12	13	14	15	16	17	18	19	20
IC305	0	0	0	0	0	0	0	12.95	0	−13.27

IX. VOLTAGE CHECK TABLE

LOCAT	E	C	B
Q901	−28.8	−35	−29.4
Q902	11.72	17.4	12.25
Q903	5.6	10.86	6.17
Q907	0	5.62	0
Q908	0	0	4.73
Q911	5.85	11.75	6.22
Q201	0	0	0
Q202	0	0	0
Q203	0	0	0
Q204	0	0	0
Q205	0	−35.6	0
Q212	0	0	0
Q304	5.2	14.95	5.62
Q601	0	0	0
Q602	0	0	0
Q801	0	4.7	0
Q802	5.6	0	5.4
Q803	0	0	0
Q804	0	0	0

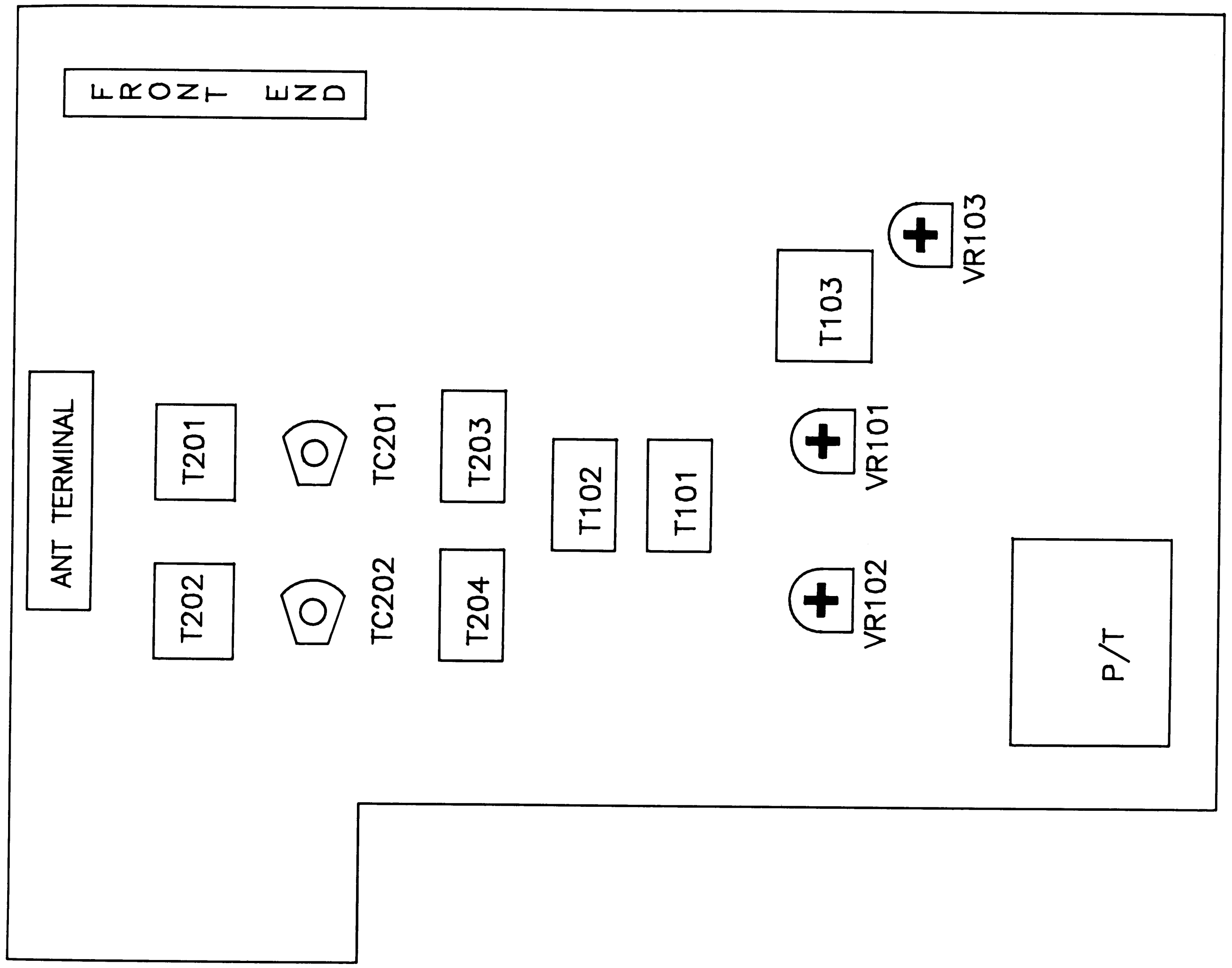
LOCAT	E	C	B	CONDITION
Q904	0	0.7	0.7	POWER ON
	0	11.9	0	STANDBY
Q905	0.7	0.7	1.38	POWER ON
	0	11.87	0	STANDBY
Q912	0	0.66	1.31	CDP FUNCTION
	0	11.8	0	ETC
Q914	0	3.11	0	CDP FUNCTION
	0	0	0.66	ETC
Q909	0	3.22	0	POWER ON
	0	0	4.73	STANDBY
Q910	0	0	3.22	POWER ON
	0	10.58	0	STANDBY
Q206	−35.8	0	−35.8	NORMAL
	−0.8	−0.8	0	PROTECTOR ON
Q207	0	−35.6	0	NORMAL
	0	0	0	PROTECTOR ON
Q208	0	−35.6	0	NORMAL
	0	0	0	PROTECTOR ON
Q209	0	0.1	0	NORMAL
	0	0	0	PROTECTOR ON
Q210	0	11.2	−12.17	FAN OFF
	0	0	11.57	FAN ON
Q211	11.77	0	11.24	FAN OFF
	11.5	11.4	10.73	FAN ON
Q301	0	0	0.65	SURR OFF
	0	0	0	SURR ON
Q303	0	1.27	0	SURR OFF
	0	0	4.76	SURR ON

X. ALIGNMENT INSTRUCTIONS

1) EQUIPMENT NEEDED

a) AM/FM Signal Generator
b) AM/FM IF Sweemarscope
c) FM MPX Signal Generator
d) VTVM
e) Frequency Counter
f) Oscilloscope
g) AM Loop ANT
h) Digital Tester

2) ADJUSTMENT POINTS



3) ADJUSTMENT CONTENTS

MW SECTION

CIRCUIT ALIGNMENT	EQUIPMENT CONNECTION	STEP	GENERATOR FREQUENCY	TUNING (SETTING)	ADJUSTMENT
IF	AM IF Scope AM Loop ANT	1	450KHz	531KHz	T103 (AM IFT) adjust for maximum gain
Cover Range	AM Signal Generator AM Loop ANT VTVM Oscilloscope	2	531KHz (400KHz mod.)	531KHz	Adjust T203 for Maximum Gain
Tracking	AM Signal Generator AM Loop ANT VTVM Oscilloscope	3	603KHz (400KHz mod.)	603KHz	Adjust T201 for maximum gain.
		4	1404KHz (400KHz mod.)	1404KHz	Adjust TC201 for maximum gain.
		5			Repeat steps 3 & 4 two or three time.
Tuned	″	6	990KHz (400KHz mod.)	990KHz	Adjust VR102

LW SECTION

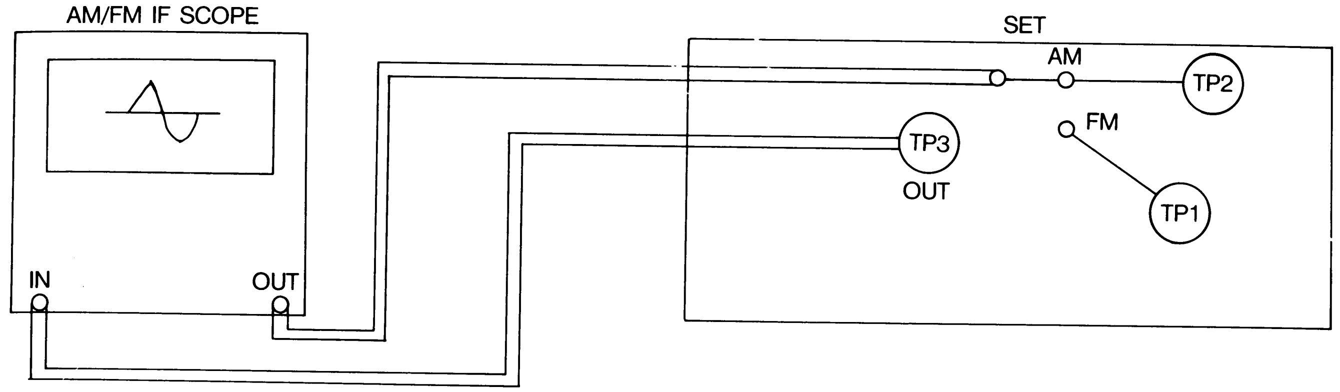
CIRCUIT ALIGNMENT	EQUIPMENT CONNECTION	STEP	GENERATOR FREQUENCY	TUNING (SETTING)	ADJUSTMENT
Cover Range	AM Signal Generator AM Loop ANT VTVM Oscilloscope	1	146KHz (400KHz mod.)	146Hz	Adjust T204 for Maximum Gain
Tracking	AM Signal Generator AM Loop ANT VTVM Oscilloscope	2	160KHz (400KHz mod.)	160KHz	Adjust T202 for maximum gain.
		3	260KHz (400KHz mod.)	260KHz	Adjust TC202 for maximum gain.
		4			Adjust steps 2 & 3 two or three time.

FM SECTION

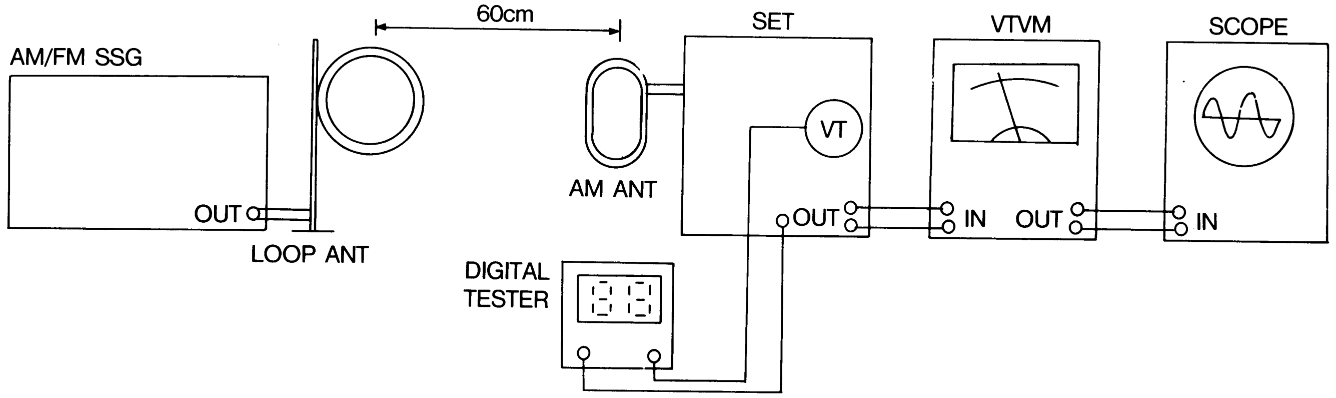
CIRCUIT ALIGNMENT	EQUIPMENT CONNECTION	STEP	GENERATOR FREQUENCY	TUNING (SETTING)	ADJUSTMENT
IF	FM IF Scope	1	10.7MHz	87.5MHz (MONO)	Adjust T101, T102 for maximum symmetrical response.
MPX	FM MPX Signal Generator FM Signal Generator Frequency Counter Oscilloscope VTVM	2	98MHz (60dB)	98MHz	Adjust VR103 to display 38. 0KHz on the frequency counter.
Tuned	″	3	″	″	Adjust VR101

4) TEST EQUIPMENT CONNECTIONS

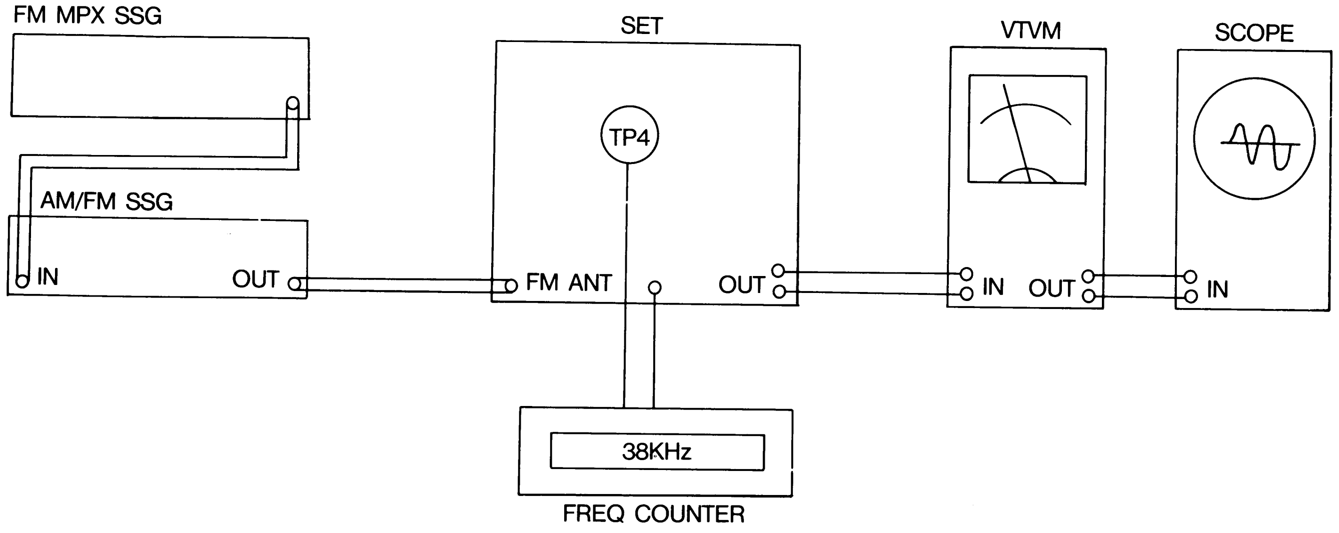
a) AM/FM IF


AM/FM IF SCOPE
IN
OUT
SET
AM
FM
TP2
TP3
OUT
TP1

b) MW & LW COVER/TRACKING


AM/FM SSG
OUT
LOOP ANT
60cm
AM ANT
SET
VT
OUT
DIGITAL
TESTER
VTVM
IN
OUT
SCOPE
IN

c) FM TRACKING/MPX


FM MPX SSG
AM/FM SSG
IN
OUT
SET
TP4
FM ANT
OUT
VTVM
IN
OUT
SCOPE
IN
38KHz
FREQ COUNTER

ABBREVIAIONS (TUNER)

ABBREVIATION	EXPLANATION	ABBREVIATION	EXPLANATION
AFC	Auto Frequency Control	MEMO	MEMOry
AGC	Auto Gain Control	MI-COM	MIcro-COMputer
ALC	Auto Level Control	MIN	MINimum
AM	Amplitude Modulation	MIX	MIXing
AMP	AMPlifier	MPX	MultipleX
ANT	ANTenna	MW	Medium Wave (frequency)
BATT	BATTery	NC	No Connection
BLK	BLock	NFB	Negative Feed Back
BUFF	BUFFer	OSC	OSCillator
COMP	COMParator	PCB	Printed Circuit Board
DET	DETect (DETctor)	PLL	Phas Locked Loop
FLD	FLuorescent Display	Q.D	Quadrature Detector
FM	Frequency Modulation	Rch	Right channel
FREQ	FREQuency	REF	REFerence
GND	GrouND	REG	REGulator
H	High	RF	Radio Frequency
HPF	High Pass Filter	SEG	SEGment
IF	Intermediate Frequency	SELE	SELEctor
IHF	Institut of High Fidelity	SENS	SENSitivity
IND	INDicator	SIG	SIGnal
I/O	In/Out	S/N	Signal to Noise Ratio
JW	Jumper Wire	SSG	Standard Signal Generator
L	Low	STD	STanDard
LCD	Liquid Crystal Display	SW	SWitch : Short Wave (frequency)
Lch	Left channel	THD	Total Harmonic Distortion
LED	Light Emiting Diode	TP	Test Point
LPF	Low Pass Filter	VCO	Voltage Controlled Oscillator
LW	Long Wave (Frequency)	VR	Variable Resistor
		X'TAL	Crystal

ABBREVIAIONS (DECK)

ABBREVIATION	EXPLANATION	ABBREVIATION	EXPLANATION
AC	Alternating Current	MIN	MINute
A/D	Analog/Digital	MML	Maximum Modulation Level
AF	Auto Fader	MOL	Maximum Output Level
AMP	AMPlifier	MPX	Multi Plex
AR	Anti Recording	NC	Not Connected (No Connection)
AT BIAS	Auto Tuming BIAS	NFB	Negative Feed Back
ATT	ATTenuator	NORM	NORMal
BAL	BALance	NR	Noise Reduction
BEF	Band Elimination Filter	OSC	OSCillator (OSCillaton)
BSS	Blank Search System	P	Pulse
CAP M	CAPstan Motor	PB	Play Back
CH	CHannel	OMSS	Quick memory Search System
COMP	COMParator	OR	Ouick Reverse
CONT	CONTinuance	R CH	Right CHannel
CRLP	Computer Recording Level Processing	REC	RECord (RECording)
CS	Chip Select	REV	REVerse
D/A	Digital/Analog	ROT	ROTation
DC	Direct Current	REW	REWind
DET	DETector	SEC	SECond
DISCRI	DISCRIminator	SELE	SELEctor
DUB	DUBbing	SENS	SENSitivity
EQ	EQualizer	SEPP	Single Ended Push Pull
FF (or F.FWD)	Fast Foward	SIG	SIGnal
FLD	FLuoresent Display	SPECT	SPECTrum
FREQ	FREQuency	STD	STanDard
FWD	ForWarD	SW	SWitch
GND	GrouND	SYSCON	SYStem CONtrol
H	High	TP	Test Point
HPF	High Pass Filter	TRIG	TRIGa
IND	INDicator	VCA	Voltage Control Attenuator
IPLS	Instant Program Location System	VOL	VOLume
L	Low	VOLT	VOLTage
L CH	Left CHannel	VR	Variable Resistor
LED	Light Emitning Diode	X'TAL	cysTAL
MEMO	MEMOry	X1	Normal speed
MICOM	MIcroCOMputer	X2	Dubble speed

ABBREVIAIONS (AMPLIFIER)

ABBREVIATION	EXPLANATION
A	Analog
AC	Alternating Current
AMP	AMPlifier
CD	Compact Disc
COM	COMmon
D	Digital
D/A	Digital to Analog
DAC	Digital to Analog Converter
DAT	Digital Audio Tape recorder
DC	Direct Current
GND	GrouND
L	Left
LED	Light Emitting Diode
MC	Moving Coil
MM	Moving Magnet
PCB	Printed Circuit Board
R	Right
REG	REGulator
REC	RECord
TR	TRansistor
SW	Switch
V.AMP	Voltage AMPlifier
V.DISC	Video DISC
VR	Variable Resistance
VTR	Video Tape Recorder